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GB



BALANCES & TEST SERVICE

for laboratory, industry and food industry

How do I quickly find the product I am looking for?

The tried and tested quick search system – “Quick-Finder” ahead of each product group allows you to base the search for a certain target group on weighing data you need such as readout, weighing capacity and main features for each model.

And it's as simple as that – find the product you want in 2 steps:

- 1. Go to the product group index on page 3
- 2. Pick the appropriate product group and find the product you want using the Quick-Finder.

... or use the model name and find the product quickly and efficiently using the A-Z model list:

Quick-Finder									
Readability	Weighting capacity	Model	Page	Quality code	pen	M	ISO 9001	DAkkS	RS 232
0,01	2500	PCB 2500-2	26	BA	1				
0,01	3000	EMS 3000-2	26	AA	1				
0,01	3000	PBS 3000-2	26	BA	1				
0,01	3000	EWJ 3000-2	28	BA	1				
0,01	3000	572-37	29	BA	1				
0,01	3000	PLJ 3000-2FM	30	BA	1				
0,01	3100	PNJ 3000-2M	31	BB	1				
0,01	3200	PBS 3000-2	32	BB	1				
0,01	3200	PNJ 3000-2M	33	BA	1				
0,01	3500	PCD 3000-2	24	AA	1				
0,01	3500	PCB 3500-2	27	BA	1				
0,01	3600	KB 3600-2N	29	BA	1				
0,01	4200	572-39	30	BA	1				
0,01	4200	PLS 4200-2F	32	BB	1				
0,01	4200	PLJ 4200-2F	30	BA	1				
0,01	4200	EW 4200-2NM	32	BB	1				
0,01	4200	EG 4200-2NM	33	BC	1				
0,01	4200	PBS 4200-2M	34	BB	1				
0,01	4200	PBJ 4200-2M	34	BB	1				
0,01	4200	PES 4200-2M	34	CB	1				
0,01	4200	PEJ 4200-2M	30	CC	1				
0,01	4200	PLS 4200-2A	30	CC	1				
0,01	4200	PLJ 4200-2A	30	CC	1				
0,01	4200	PLJ 4200-2AM	33	BB	1				
0,01	4200	EW 4200-2NM	33	BC	1				
0,01	4200	PBS 4200-2M	33	CC	1				
0,01	4200	PEJ 4200-2M	34	BB	1				
0,01	4200	PLS 4200-2A	30	BC	1				

KERN Models A – Z

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1769
Ancestor Johann Jakob Sauter built the Hahn inclination scale out of iron, a foundation stone for weighing for the balance industry in Southern Germany

1844
KERN is founded – precision balances are produced

1863
A proud Gottlieb Kern with his staff

1880
Pharmaceutical balance with Aesculap

1923
Inflation – KERN wages are paid with self printed currency

1980
The electronic balance ousts mechanical devices

1994
Accredited DKD laboratory (ISO 17025)

2000
New premises in Balingen

2002
Existing QM system certification in accordance with DIN EN ISO 9001:2000 standards

2007
Approval for the manufacture of medical products (DIN EN 13485 and 93/42/EEC)

2008
Authorisation for initial verification by the manufacturer (2009/23/EC)

2009
Approval for the manufacture and sale of height rods (DIN EN 13485 and 93/42/EEC)

2012
Verification point for non-automatic balances and test weights.

New customer portal
www.kern-sohn.com goes live

2014
Expansion of the product range to include optical instruments (microscopes and refractometers)

2015
Inauguration of Ziegelei 2.0 with computer-controlled high-bay warehouse

2017
Come with KERN into the digital future: Expansion of the model ranges compatible with Industry 4.0, as well as the related services

2019
Significant anniversary year! 25 years of accredited DKD laboratory
175 years of KERN & SOHN
250 years of balance manufacture in the Sauter family-owned company

2020
Construction of Ziegelei 3.0, extension of administration building

BALANCES & TEST SERVICE for laboratory, industry and food industry

2020

KERN Pictograms

**Internal adjusting:**
Quick setting up of the balance's accuracy with internal adjusting weight (motordriven)

**KCP**
KERN Communication Protocol (KCP):
It is a standardized interface command set for KERN balances and other instruments, which allows retrieving and controlling all relevant parameters and functions of the device. KERN devices featuring KCP are thus easily integrated with computers, industrial controllers and other digital systems

**Adjusting program CAL:**
For quick setting up of the balance's accuracy. External adjusting weight required

**Easy Touch:**
Suitable for the connection, data transmission and control through PC, tablet or smartphone

**Memory:**
Balance memory capacity, e.g. for article data, weighing data, tare weights, PLU etc.

**Alibi memory:**
Secure, electronic archiving of weighing results, complying with the 2014/31/EU standard. For details see page 223

**Data interface RS-232:**
To connect the balance to a printer, PC or network

**RS-485 data interface:**
To connect the balance to a printer, PC or other peripherals. Suitable for data transfer over large distances. Network in bus topology is possible

**USB data interface:**
To connect the balance to a printer, PC or other peripherals

**Bluetooth* data interface:**
To transfer data from the balance to a printer, PC or other peripherals

**WLAN data interface:**
To transfer data from the balance to a printer, PC or other peripherals

**Control outputs (optocoupler, digital I/O):**
To connect relays, signal lamps, valves, etc.

**Analogue interface:**
to connect a suitable peripheral device for analogue processing of the measurements

**Interface for second balance:**
For direct connection of a second balance

**Network interface:**
For connecting the scale to an Ethernet network

**Wireless data transfer:**
between the weighing unit and the evaluation unit using an integrated radio module

**Protection against dust and water splashes IPxx:**
The type of protection is shown in the pictogram. For details see page 62

**Stainless steel:**
The balance is protected against corrosion

**Suspended weighing:**
Load support with hook on the underside of the balance

**Battery operation:**
Ready for battery operation. The battery type is specified for each device

**Rechargeable battery pack:**
Rechargeable set

**Universal mains adapter:**
with universal input and optional input socket adapters for
A) EU, CH, GB
B) EU, CH, GB, USA
C) EU, CH, GB, USA, AUS

**Mains adapter:**
230V/50Hz in standard version for EU, CH. On request GB, USA or AUS version available

**Power supply:**
Integrated in balance. 230V/50Hz standard EU. More standards e.g. GB, USA or AUS on request

**Weighing principle: Strain gauges**
Electrical resistor on an elastic deforming body

**Weighing principle: Tuning fork**
A resonating body is electromagnetically excited, causing it to oscillate

**Weighing principle: Electromagnetic force compensation**
Coil inside a permanent magnet. For the most accurate weighings

**Weighing principle: Single cell technology:**
Advanced version of the force compensation principle with the highest level of precision

**Verification possible:**
The time required for verification is specified in the pictogram

**DAKkS calibration possible (DKD):**
The time required for DAKkS calibration is shown in days in the pictogram

**Package shipment:**
The time required for internal shipping preparations is shown in days in the pictogram

**Pallet shipment:**
The time required for internal shipping preparations is shown in days in the pictogram

KERN – measuring technology and testing services from a single source



Balances & Test service catalogue Medical scales catalogue Microscopes & refractometers catalogue SAUTER measuring equipment catalogue DAKkS calibration service brochure

Provides a complete overview of the KERN line of balances, test weights, and services such as verification, calibration, etc.

Complete line of medical scales, from infant scales to patient scales, chair scales and adiposity scales, as well as hand grip dynamometers, chemist's balances and veterinary scales.

Extensive range in the area of optical instruments, such as, for example, biological microscopes, stereo microscopes, metallurgical microscopes, polarisation microscopes as well as analogue and digital refractometers.

Test instruments for industry and commerce, such as force, coating thickness, material thickness and calibration service.

Detailed information on topics pertaining to the calibration and verification of balances, test weights, and force measuring devices.

Your advantages

fast

- 24 hours delivery service for products in stock – ordered today, on its way tomorrow
- Sales & service hotline available from 8:00 am to 6:00 pm

reliable


- Up to 3 years warranty
- Precision in weighing technology for more than 175 years


competent


- DAKkS accreditation
DIN EN ISO/IEC 17025
- Certified QM system
DIN EN ISO 9001
- Authorisation for initial verification by the manufacturer 2014/31/EU
- Medical certifications
DIN EN ISO 13485 and 93/42/EWG


versatile


- One-stop shopping: from pocket balances through to 15 t crane balance – everything from one supplier
- Find the product you want at lightning speed with the “Balance Quick-Finder” at www.kern-sohn.com


**Order hotline**
+49 7433 9933-0


**Online Shop**
www.kern-sohn.com

**Service hotline**
+49 7433 9933-199

**E-mail order**
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**Calibration hotline**
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**Fax order**
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**Our team of consultants will assist you**
from Monday to Friday
from 8:00 am to 6:00 pm

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Service hotline	199	for general technical questions about your KERN or SAUTER product
System solutions Industry 4.0	200	for all technical questions concerning the interlocking of the latest information and communication technology with our scales, measuring cells and measuring devices as well as questions about KERN software
Industrial scales	333	for all technical questions concerning our basic scales (laboratory & industry), pocket balances, school balances, bench scales, price-computing scales, platform scales, counting scales, counting systems, floor scales, pallet truck scales, crane scales
Laboratory and analytical balances	444	for all technical questions concerning our high quality precision balances, analytical balances (especially with electromagnetic force-compensated measuring systems, tuning fork and high application density)
Medical scales	499	for all technical questions concerning our baby scales, personal scales, handrail scales, chair scales, wheelchair scales, dynamometers
SAUTER measuring instruments	555	for all technical questions concerning our SAUTER measuring instruments, test benches, force measuring accessories (clamps etc.), SAUTER software
Moisture analysers	599	for all technical questions concerning our moisture analyzers
Optical devices	777	for all technical questions concerning our microscopes, microscope cameras, refractometers, etc.

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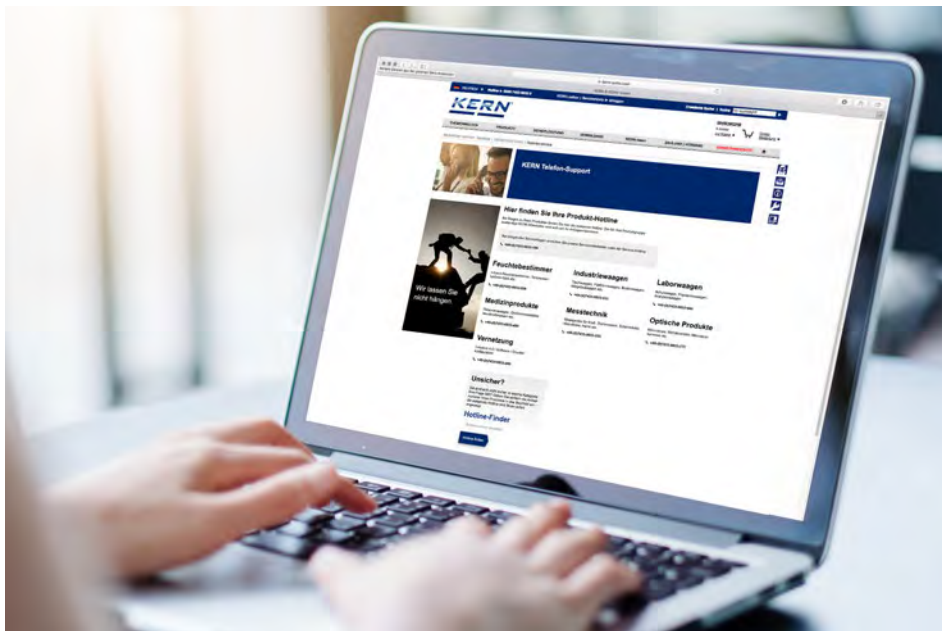
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KERN Service Portal

[www.kern-sohn.com/
serviceportal](http://www.kern-sohn.com/serviceportal)



Technical contact enquiries this is where you can ask us a technical question about your product or request technical support for your product



Fast service
We deliver needed spare parts usually within 48 hours plus transport



At any time **status inquiry** from your device with your repair number and your password for your repair process

The KERN Service Portal – We won't let you down!

With a device from KERN you can be sure of the highest quality. But if you have any complaints at all, you can register your repair at www.kern-sohn.com/serviceportal and download a consignment note for your service return.

Your advantages: Accelerated processing as well as online tracking of the repair status.

Our reliable KERN service personnel will do everything within their power to make sure your precision balances and measuring devices are back in operation as quickly as possible.

Also 2020 we have many new models for you in our program

School balance KERN EHA

The compact all-round model with robust stainless steel weighing plate for use in laboratories, industries and for teaching



Further details ► Page 22
from € 65,-

Analytical balance KERN ACS/ACJ

The bestseller in analytical balances, with high-quality single-cell weighing system, also with EC type approval [M]



Further details ► Page 40
from € 1050,-

Counting system KERN CCA

High-resolution counting system with EC type approval [M] to count the smallest parts in the largest quantities, counting resolution up to 300.000.000 points



Further details ► Page 90
from € 890,-

Pallet scale KERN UID

High resolution dual-range pallet scale with EC type approval [M] and a wide range of data interfaces



Further details ► Page 126
from € 920,-

Display-unit (DIN-rail module) KERN CE Hx

Compact display device for recording weighing data using strain gauge load cells, e.g. in industrial applications. The configuration of the module can be carried out conveniently via a connected PC with the supplied software



Further details ► Page 135
only € 480,-

Messzellen

Measuring cells for setting up individual weighing systems, test benches or individual process lines for force and mass measurements



Further details ► Page 146
from € 24,-

Crane scale KERN HFD

Robust, high-resolution crane scale up to 12 tons, now also with protection type IP67 or EC type approval [M] (on request)



Further details ► Page 166
from € 370,-

Dot matrix and thermal printers KERN YKG-01/YKH-01

High-quality, fast Dot-Matrix resp. thermal printers for the retail trade, gastronomy and for restaurant kitchens



Further details ► Page 173
from € 370,-

KERN scales and components with KCP

Aim & advantages:

Searching and remote control of the balances using external control devices or computers with the KERN Communication Protocol (KCP).

KCP is a standardised interface command structure for KERN balances and other instruments which allows you to recall and manage all relevant parameters and device functions.

You can therefore simply connect KERN devices with KCP to computers, industrial control systems and other digital systems. In a large number of cases the KCP is compatible with the MT-SICS protocol.

KERN models with KCP:



A/D converter box YKV-01/YKV-02

Modern A/D converter for the rapid recording of weighing data and forwarding it to the most varied output channels such as tablets, networks, SPS controllers, etc.

Further details ► Page 134



Digital platform KDP

Universal weighing platforms for flexible connection in process chains

Further details ► Page 136



Laboratory balance PFB

Quick-displaying precision balance, now with larger housing for more secure footing

Further details ► Page 26



Compact laboratory balance EWJ

High-quality precision balance with automatic internal adjustment, also with EC type approval [M]

Further details ► Page 28



Bench scale GAT

KERN Easy-Touch bench scale – the intuitive way to weigh

Further details ► Page 60/61



Counting scale CPB

Professional model, also with EC type approval [M], counting resolution up to 60,000 points

Further details ► Page 82



Counting scale CFS

Professional, high-resolution counting scale with 100 item memories and second balance interface, counting resolution up to 75,000 points

Further details ► Page 84



Counting scale IFS

Industrial counting scale with convenient decimal keypad for easy data entry – now also with EC type approval [M], counting resolution up to 75000 points

Further details ► Page 86



Counting system CCS

Counting system to count the smallest parts in the largest quantities, counting resolution up to 999,999 points

Further details ► Page 88



Platform scale SFB

Stainless steel platform scales with IP65/67 protection, also with XL platform or EC type approval [M]

Further details ► Page 72



Platform scale EOC

All-round parcel scale with practical Flip/Flop display device for greatest ease of use

**Further details
► Page 100/101**



Platform scale IOC

All-round platform scale with a range of communication options and EC type approval [M]

Further details ► Page 102



Platform scale IFB

High-resolution industrial scale in heavy version with EC type approval [M], now also up to [Max] 600 kg

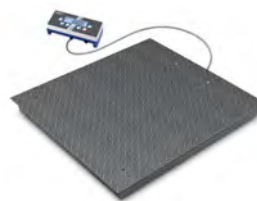
Further details ► Page 103



Platform scale IFT

KERN Easy-Touch platform scale – the intuitive way to weigh

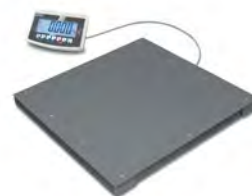
Further details ► Page 110/111



Floor scale BID

Floor scale with EC type approval [M] and the best price-performance ratio

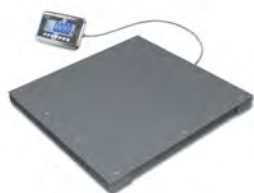
Further details ► Page 116/117



Floor scale BFB

Weighing bridge with screwed-on weighing plate (IP67) and XXL display device, with EC type approval [M]

Further details ► Page 118/119



Floor scale BFA

Weighing bridge with screwed-on weighing plate (IP67) and stainless steel display device (IP68), with EC type approval [M]

Further details ► Page 120



Floor scale BFN

Stainless steel weighing bridge with screwed-on weighing plate (IP68) and stainless steel display device (IP65), with EC type approval [M]

Further details ► Page 121



Weighing beams UFA

Highly versatile weighing beams (IP67) for large loads to 6 t

Further details ► Page 124



Pallet scale UFB

Pallet scale with steel load support (IP67) and EC type approval [M]

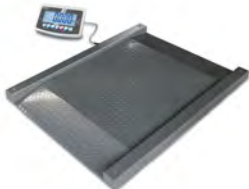
Further details ► Page 127



Pallet scale UFC

Pallet scale with steel load support (IP67) and stainless steel display device (IP65), with EC type approval [M]

Further details ► Page 128



Drive-through scale NFB

Drive-through scale (IP67) with XXL display device and EC type approval [M]

Further details ► Page 130



Drive-through scale NFN

Stainless steel drive-through scale (IP68) with stainless steel display device (IP65), with EC type approval [M]

Further details ► Page 131



Display device KFB-TM

Display device with large digits – easy to read

Further details ► Page 131



Display device KFS-TM

Professional indicator with 3 displays, also with EC type approval [M]

Further details ► Page 139



Display device KFN-TM

Stainless steel display device with IP65 protection and superior display size

Further details ► Page 141



Display device KIB-TM

Practical Flip/Flop display device for greatest ease of use

Further details ► Page 140



Display device KFT-TM

KERN Easy-Touch display device – the intuitive way to weigh

Further details ► see internet







Pocket balances

Pocket size precision

Pocket balances are the ideal helpers whenever mobility and high precision are required. Since they have fewer keys, operation is simple and fast. Different weighing units stored in the pocket balance, such as g, oz, ct, gn, etc., make them universally usable. An integrated calculator allows you to use the measured weight immediately in calculations, to e.g. determine a price, quantity, average value and much more. Compact in size and well protected with a flap or protective cover, which can be used as a convenient taring container, the pocket balance is always a useful tool for mobile weighing.

- In production, to control of production weights or during the picking of small parts
- In quality control for the quick testing of small parts like plastic parts from injection moulding machines, milled parts, screws, etc.
- For mobile weighing, on-site sampling, and fast analysis wherever there's no power outlet
- In hobbies and sports, e.g. when filling black powder, weighing parts from modelling kits etc.
- In commerce, for the fast determination of the weights of coins, jewellery, precious stones, etc.
- In veterinary sector for the weighing of small animals, the mixing of food, etc.
- In the food sector for the preparation of spice or tea mixes, for the weighing of food in line with a diet sheet.

Quick-Finder Pocket balances

Readability [d] g	Weighing capacity [Max] g	Model KERN	Price excl. of VAT ex works €	Page	 DAYS	 CAL EXT	 BATT
For an explanation on the pictos, see front flap							
0,001	20	TAB 20-3 	75,-	12	1	●	●
0,001	50	TGD 50-3CS05 	260,-*	12	1	●	●
0,002	10	CM 50-C2N 	90,-	12	1	●	●
0,01	60	CM 60-2N	79,-	11	1	●	●
0,01	150	TGC 150-2S05	99,-*	11	1	●	●
0,1	150	TEE 150-1	40,-	11	1	●	●
0,1	150	CM 150-1N	50,-	11	1	●	●
0,1	200	TCB 200-1	52,-	11	1	●	●
0,1	320	CM 320-1N	55,-	11	1	●	●
0,1	500	TGC 500-1S05	99,-*	11	1	●	●
1	1000	CM 1K1N	52,-	11	1	●	●
1	1000	TGC 1K-3S05	99,-*	11	1	●	●

■ News 2020

*Price set of 5 units

 = Carat balances

● = standard

○ = option

Sally Kreidler

Product specialist Pocket balances

Tel. +49 7433 9933-305

Fax +49 7433 9933-29305

sally.kreidler@kern-sohn.com



only €

52,-

* Price set of 5 units
excl. of VAT ex works

- ▷ Simple and convenient 4-key operation
- ▷ Innovative touchscreen
- ▷ Weighing pan standard
- ▷ Also ideal as a gift for your customers

HIGHLIGHT



KERN TEE

Designer pocket balance at a bargain price

KERN TCB

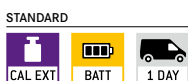
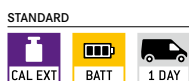
This is where the fun starts with pocket format weighing

KERN CM

Pocket balance with integrated pocket calculator

KERN TGC

Slim pocket balance with large stainless steel weighing plate and practical tare pan



- **Simple and convenient 2-key operation**
- **Cover made of shock proof plastic** as protection against pressure and dust. Can also be used as a tare cup

- **Simple and convenient 2-key operation**
- **Small and handy**
- **Transport box and weighing pan included**
- **Revolving weighing plate** (as overload protection)

- **Simple and convenient 4-key operation**
- **Hard case cover** as protection against pressure and dust
- Robust, handy, well protected
- **Integrated calculator**

- High-resolution pocket balance with particularly rapid reaction and stabilisation time, which means that you can work extremely efficiently
- **Particularly flat design**
- **Cover made of shock proof plastic** as protection against pressure and dust. Can also be used as a tare cup
- **Stainless steel weighing plate**, which makes cleaning easy and hygienic
- **Note:** The models are only delivered in a set of 5 units. i.e. the prices given in the table refer to a delivery of 5 items. Cannot be delivered individually. The calibration prices given here refer to calibration of a single balance

Tip: KERN pocket scales are also ideal as a customer gift or for personalized marketing and sales campaigns. We are happy to print your logo on the cover, the lid or the packaging, from 100 pieces. Please inquire details

KERN	TEE 150-1*	TCB 200-1*	CM 60-2N	CM 150-1N	CM 320-1N	CM 1K1N	TGC 150-2S05	TGC500-1S05	TGC 1K-3S05
Weighing capacity [Max] g	150 g	200 g	60 g	150 g	320 g	1000 g	150 g	500 g	1000 g
Readability [d]	0,1 g	0,1 g	0,01 g	0,1 g	0,1 g	1 g	0,01 g	0,1 g	1 g
LCD display	backlit, digit height 9 mm	digit height 9 mm	backlit, digit height 12 mm				backlit, digit height 12 mm		
Dimensions of weighing plate	W×D 60×64 mm	ø 80 mm	W×D 70×80 mm				ø 81 mm		
Overall dimensions	W×D×H 67×100×22 mm	ø×H 80×14 mm	W×D×H 85×130×25 mm				W×D×H 100×130×18 mm		
Power supply	Batteries included, 2×1,5 V AAA, operating time up to 50 h	Batteries included, 2×LR 44, AUTO-OFF function to preserve battery life	Batteries included, 2×1,5 V AAA, AUTO-OFF function to preserve battery life, operating time up to 33 h				Batteries included, 2× CR2032, operating time up to 33 h		
Net weight	100 g	50 g	180 g				200 g		
Permissible ambient temperature	5 °C/35 °C						0 °C/40 °C		
Price €, excl. of VAT, ex works	40,-	52,-	79,-	50,-	55,-	52,-	99,-*	99,-*	99,-*
Option DAKkS Calibr. Certificate	963-127, 72,-								

! * ONLY WHILE STOCKS LAST!

*Price set of 5 units excl. of VAT exworks



KERN CM-C

Pocket balance with carat display – ideal for jewellers



KERN TAB

High-precision pocket carat balance for jewellers and travelling salesmen



KERN TGD

Compact pocket carat balance for precision weighing of jewellery and precious stones



- **Hard case cover** as protection against pressure and dust
- **Hard case cover** as protection against pressure and dust
- **Adjusting weight standard**
- **Draft shield** against air movements standard
- **Weighing pan standard**

- **Simple and convenient 4-key operation**
- **Can be switched over from g to ct, gn at the touch of a key**
- **Hard case cover** as protection against pressure and dust
- **Adjusting weight and weighing pan standard**
- **Powder scale with Grain division (gn)**, ideal for sport shooters, reloaders etc. for self-filling cartridge cases

- **Simple and convenient 4-key operation**
- **Can be switched over from g to ct, gn, dwt, ozt, oz at the touch of a key**
- **Innovative touchscreen:** Large touch-sensitive, backlit touch display with very good contrast for easy operation and convenient reading
- **Hard case cover** as protection against pressure and dust
- **Stainless steel weighing plate**, which makes cleaning easy and hygienic
- **Weighing pan standard**
- **Powder scale with Grain division (gn)**, ideal for sport shooters, reloaders etc. for self-filling cartridge cases
- USB cable for power supply as standard
- **1** Delivered in appealing packaging
- **Note:** The models are only delivered in a set of 5 units. i.e. the prices given in the table refer to a delivery of 5 items. Cannot be delivered individually. The calibration prices given here refer to calibration of a single balance

Tip: KERN pocket scales are also ideal as a customer gift or for personalized marketing and sales campaigns. We are happy to print your logo on the cover, the lid or the packaging, from 100 pieces. Please inquire details

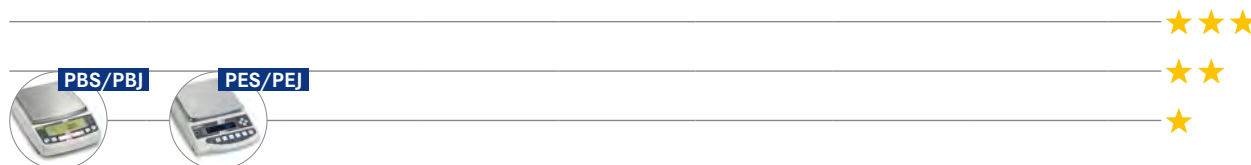
KERN	CM 50-C2N	TAB 20-3	TGD 50-3CS05
Weighing capacity [Max] g	10 g 50 ct	20 g 100 ct	50 g 250 ct
Readability [d] [d]	0,002 g 0,01 ct	0,001 g 0,005 ct	0,001 g 0,005 ct
LCD display	digit height 9 mm	backlit, digit height 9 mm	backlit, digit height 12 mm
Dimensions of weighing plate	W×D 50×40 mm	W×D 36×42 mm	ø 65 mm
Overall dimensions	W×D×H 85×130×25 mm	W×D×H 95×133×33 mm	W×D×H 96×149×36 mm
Power supply	Batteries included, 2×1,5 V AAA, AUTO-OFF function to preserve battery life, can be switched off, operating time up to 30 h	Batteries included, 4×1,5 V AAA, operating time up to 150 h without backlight	
Net weight	200 g		
Permissible ambient temperature	5 °C/35 °C	10 °C/30 °C	5 °C/35 °C
Price €, excl. of VAT, ex works	90,-	75,-	260,-*
Option DAKkS Calibr. Certificate	963-127, 72,-		

*Price set of 5 units excl. of VAT exworks

Precision balances

Here you'll find a complete summary of the KERN laboratory scales series and their positioning within the precision scales segment on the basis of application, price-performance ratio and functional volume

PREMIUM LABORATORY BALANCES



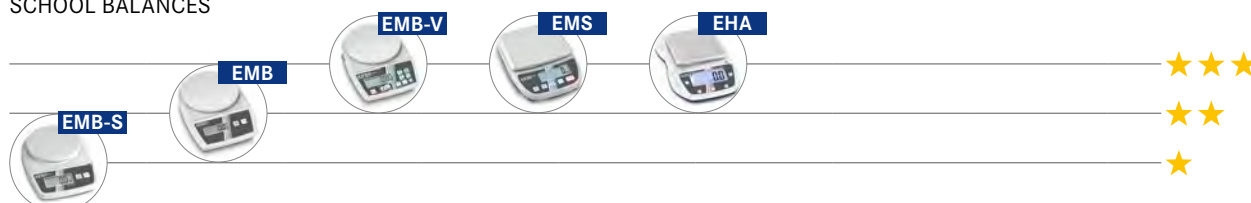
STANDARD LABORATORY BALANCES



BASIC LABORATORY BALANCES



SCHOOL BALANCES



Corinna Klaass

Product specialist Precision balances

Tel. +49 7433 9933-215

Fax +49 7433 9933-29215

klaass@kern-sohn.com

- ▷ Large, shock-resistant stainless steel weighing plate
- ▷ Particularly flat design
- ▷ Large, bright LCD display
- ▷ Simple operation, suitable for school and teaching use



from €

65,-

HIGHLIGHT

Precision balances

KERN school balances

are entry-level devices in the field of laboratory balances, and they cover basic applications. They feature simple operation and the very best price/performance ratio. In addition they usually can be stacked and can also be operated by battery, as an alternative to mains power, which means that they have the flexibility to be used in different locations.

KERN Basic laboratory balances

are used in laboratory applications mostly as single-user balances for sample preparation, etc. They are fitted with all useful laboratory functions which will support the user in a helpful way. With their strain gauge measuring principle, they are used anywhere where individual weighings are carried out, such as, for example, checkweighing. These devices are often connected to printers or local PCs using the standard, integrated RS-232 data interface.

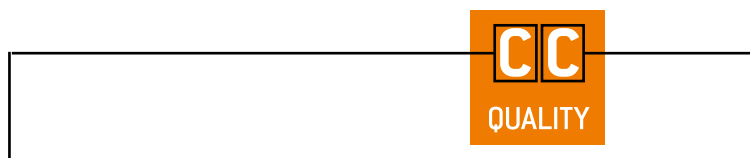
KERN Basic standard laboratory balances

offer you all the tools you would need for effective and accurate work in your laboratory environment. All important laboratory functions such as a recipe weighing function or data interfaces are on board at all times. But above all, the high-quality measuring principles of these balances such as force compensation or tuning fork measuring principle, allow them to be used in dosing procedures with very small weight changes and rapid display. In addition these balances are often fitted with automatic internal adjustment, which permits calibrated operation and means the balance can be used in any location.

KERN premium laboratory balances

are right at the top of the precision balance segment. The numerous equipment features of the standard balances are complemented by high-quality materials with robust, sturdy construction, high-quality, high-performance weighing systems, optimised operating sequences, speed benefits and in some cases, the most modern touchscreen technology. With its touchscreen technology a premium laboratory balance will support your users in their typical procedures. In this way these scales can be operated more efficiently and quickly than devices from other quality classes. In particular these balances are used in demanding laboratory applications and anywhere where the environmental conditions are not ideal because of vibrations or other interference, but where, naturally, the balance is expected to provide accurate weighing results. Another field of application for these balances is the pharmaceutical industry, which is subject to particularly demanding requirements and authorities such as, for example, the FDA (Food and Drug Administration).

In order to make it easier for you to make the right choice of KERN balance, we have included a quality code for each model, which is made up of two quality features and will give you technical data and pictograms in addition to the product features. This will help you to make the decision on the perfect balance for your application:



The stability quality feature

How quickly and sensitively weighing results are displayed? This quality feature on the basis of the information on the housing material and total weight of the balance, the stability quality feature gives you an indication of the types of application for which the balance is particularly well-suited. Due to their low weight, materials such as plastic allows structures which are particularly advantageous for mobile applications. The appeal of models which are used to process high-quality, heavy material, such as, for example, aluminium casting or steel, is their durability and robustness and the fact that they are less susceptible to vibrations. A high level of stability allows rapid, repeatable weighing results.











Categorisation in **A, B, C, best value: C**

The dosing level quality feature

comes from the values for reaction time, stabilisation time and behaviour during long-term weighing procedures. These parameters give information about how well-suited a model is for fine dosing, amongst other functions. In particular with these dosing procedures, the balance performs a balancing act between filtering out disruptive environmental influences, such as, for example, vibrations on the one hand, and the highest level of accuracy as well as rapid display when weighing goods right down to the smallest division [d] on the other hand. In addition this value is printed, whether drift effects influence the continuous measurement in long-term trials. Categorisation into **A, B, C, best value: C**

If you have further questions on the subject of “Which balance will be best for my application?”, then please ask your personal KERN product specialist who will be happy to help you.











Quick-Finder Precision balances

Readability [d] g	Weighing capacity [Max] g	Model KERN	Price excl. of VAT ex works €	Page	Quality code QUALITY	 DAYS	 M	 CAL INT	 CAL EXT	 MEMORY	 RS 232	 PCS	 TOL	 BATT	 ACCU
For an explanation on the pictos, see front flap															
0,001	60	440-21A	350,-	25	AA	1			●		●	●		●	○
0,001	100	EMB 100-3	195,-	19	AA	1			●		●	●		●	○
0,001	100	PCB 100-3	265,-	24	AA	1			●		●	●		●	○
0,001	120	PFB 120-3	280,-	26	AA	1			●		●	●		●	○
0,001	120	KB 120-3N	270,-	27	AA	1			●		●	●		●	○
0,001	200	EMB 200-3	210,-	19	AA	1			●		●	●		●	○
0,001	200	EMB 200-3V	250,-	20	AA	1			●		●	●		●	○
0,001	200	PFB 200-3	285,-	26	AA	1			●		●	●		●	○
0,001	220	EW 220-3NM	620,-	32	AB	1		●	●		●	●	●		○
0,001	220	EG 220-3NM	760,-	32	BB	1	○	●			●	●	●		○
0,001	240	KB 240-3N	280,-	27	AA	1			●		●	●		●	○
0,001	240	572-30	520,-	29	BA	1			●		●	●		●	○
0,001	250	PCD 250-3	305,-	23	AA	1			●		●	●		●	○
0,001	250	PCB 250-3	290,-	24	AA	1			●		●	●		●	○
0,001	300	EMS 300-3	260,-	21	AA	1			●		●	●		●	○
0,001	300	PFB 300-3	320,-	26	BA	1			●		●	●		●	○
0,001	300	EWJ 300-3	450,-	28	BA	1		●			●	●		●	○
0,001	300	EWJ 300-3H	490,-	28	BA	1		●			●	●		●	○
0,001	300	572-31	530,-	29	BA	1			●		●	●		●	○
0,001	350	PCD 300-3	350,-	23	AA	1			●		●	●		●	○
0,001	350	PCB 350-3	300,-	24	AA	1			●		●	●		●	○
0,001	360	KB 360-3N	290,-	27	AA	1			●		●	●		●	○
0,001	420	572-32	540,-	29	BA	1			●		●	●		●	○
0,001	420	PLS 420-3F	590,-	30	BA	1			●		●	●		●	○
0,001	420	PLJ 420-3F	700,-	30	BA	1		●			●	●		●	○
0,001	420	EW 420-3NM	690,-	32	AB	1		●	●		●	●	●		○
0,001	420	EG 420-3NM	830,-	32	BB	1	○	●			●	●	●		○
0,001	620	PNS 600-3	620,-	31	BB	1		●	●		●	●		●	○
0,001	620	PNJ 600-3M	740,-	31	BB	1	○	●			●	●		●	○
0,001	620	EW 620-3NM	770,-	32	AB	1		●	●		●	●	●		○
0,001	620	EG 620-3NM	930,-	32	BB	1	○	●			●	●	●		○
0,001	620	PBS 620-3M	1370,-	33	BC	1			●		●	●		●	○
0,001	620	PBJ 620-3M	1610,-	33	BC	1	○	●			●	●		●	○
0,001	620	PES 620-3M	1220,-	34	BB	1			●		●	●		●	○
0,001	620	PEJ 620-3M	1480,-	34	BB	1	○	●			●	●		●	○
0,001	720	PLS 720-3A	840,-	30	BC	1			●		●	●		●	○
0,001	720	PLJ 720-3A	980,-	30	CC	1		●			●	●		●	○
0,001	720	PLJ 720-3AM	980,-	30	CC	1	○	●			●	●		●	○
0,001	1200	PLS 1200-3A	880,-	30	BC	1			●		●	●		●	○
0,001	1200	PLJ 1200-3A	1000,-	30	CC	1		●			●	●		●	○
0,001	2100	PLJ 2000-3A	1650,-	30	CC	1		●			●	●		●	○
0,01	200	EMB 200-2	125,-	19	AA	1			●		●	●		●	○
0,01	200	PCB 200-2	230,-	24	AA	1			●		●	●		●	○
0,01	200	440-33N	290,-	25	AA	1			●		●	●		●	○
0,01	400	440-35N	330,-	25	AA	1			●		●	●		●	○
0,01	500	EMB 500-2S	120,-	18	AA	1			●		●	●		●	○
0,01	500	EHA 500-2	90,-	22	AA	1			●		●	●		●	○
0,01	600	EMB 600-2	160,-	19	AA	1			●		●	●		●	○
0,01	600	440-35A	365,-	25	AA	1			●		●	●		●	○
0,01	600	PFB 600-2	245,-	26	BA	1			●		●	●		●	○
0,01	600	EWJ 600-2SM	350,-	28	BA	1	○	●			●	●		●	○
0,01	600	EWJ 600-2M	360,-	28	BA	1	○	●			●	●		●	○
0,01	650	KB 650-2N	250,-	27	BA	1			●		●	●		●	○
0,01	650	573-34	530,-	29	BA	1			●		●	●		●	○
0,01	820	EW 820-2NM	540,-	32	BB	1		●	●		●	●	●		○
0,01	1000	EMB 1000-2	195,-	19	AA	1			●		●	●		●	○
0,01	1000	PCB 1000-2	255,-	24	AA	1			●		●	●		●	○
0,01	1200	PFB 1200-2	245,-	26	AA	1			●		●	●		●	○
0,01	1200	KB 1200-2N	260,-	27	BA	1			●		●	●		●	○
0,01	1600	572-33	490,-	29	BA	1			●		●	●		●	○
0,01	2000	EMB 2000-2	205,-	19	AA	1			●		●	●		●	○
0,01	2000	EMB 2000-2V	250,-	20	AA	1			●		●	●		●	○
0,01	2000	PFB 2000-2	260,-	26	BA	1			●		●	●		●	○
0,01	2000	KB 2000-2N	260,-	27	BA	1			●		●	●		●	○
0,01	2200	EW 2200-2NM	660,-	32	BB	1		●	●		●	●	●		○
0,01	2200	EG 2200-2NM	800,-	32	BB	1	○	●			●	●	●		○
0,01	2200	PES 2200-2M	840,-	34	BB	1			●		●	●		●	○
0,01	2200	PEJ 2200-2M	1060,-	34	CB	1	○	●			●	●		●	○
0,01	2400	KB 2400-2N	270,-	27	BA	1			●		●	●		●	○
0,01	2400	572-35	500,-	29	BA	1			●		●	●		●	○
0,01	2500	PCD 2500-2	295,-	23	BA	1			●		●	●		●	○

News 2020

● = standard ○ = option

Quick-Finder Precision balances

Readability [d] g	Weighing capacity [Max] g	Model KERN	Price excl. of VAT ex works €	Page	Quality code QUALITY	 DAYS	 M	 CAL INT	 CAL EXT	 MEMORY	 RS 232	 PCS	 TOL	 BATT	 ACCU
For an explanation on the pictos, see front flap															
0,01	2500	PCB 2500-2	290,-	24	BA	1			●		●	●		●	○
0,01	3000	EMS 3000-2	240,-	21	BA	1			●		●	●		●	
0,01	3000	PFB 3000-2	285,-	26	AA	1			●		●	●		●	
0,01	3000	EWJ 3000-2	430,-	28	BA	1		●			●	●			○
0,01	3000	572-37	510,-	29	BA	1			●		●	●			○
0,01	3100	PLJ 3000-2FM	390,-	30	BA	1		●			●	●			
0,01	3200	PNS 3000-2	580,-	31	BB	1		●	●		●	●			
0,01	3200	PNJ 3000-2M	705,-	31	BB	1	○	●			●	●			
0,01	3500	PCD 3000-2	350,-	23	BA	1			●		●	●		●	○
0,01	3500	PCB 3500-2	300,-	24	AA	1			●		●	●		●	○
0,01	3600	KB 3600-2N	290,-	27	BA	1			●		●	●			○
0,01	4200	572-39	520,-	29	BA	1			●		●	●			○
0,01	4200	PLS 4200-2F	590,-	30	BA	1			●		●	●			
0,01	4200	PLJ 4200-2F	690,-	30	BA	1		●			●	●			
0,01	4200	EW 4200-2NM	760,-	32	BB	1		●	●		●	●	●		○
0,01	4200	EG 4200-2NM	880,-	32	BB	1	○	●			●	●	●		○
0,01	4200	PBS 4200-2M	1160,-	33	BC	1			●		●	●	●		
0,01	4200	PBJ 4200-2M	1430,-	33	CC	1	○	●			●	●	●		
0,01	4200	PES 4200-2M	1000,-	34	BB	1			●		●	●	●		○
0,01	4200	PEJ 4200-2M	1230,-	34	CB	1	○	●			●	●	●		
0,01	6200	PLS 6200-2A	860,-	30	BC	1			●		●	●			
0,01	6200	PLJ 6200-2A	980,-	30	CC	1		●			●	●			
0,01	6200	PLJ 6200-2AM	980,-	30	CC	1	○	●			●	●			
0,01	6200	EW 6200-2NM	810,-	32	BB	1		●	●		●	●	●		○
0,01	6200	PBS 6200-2M	1390,-	33	BC	1			●		●	●	●		
0,01	6200	PBJ 6200-2M	1730,-	33	CC	1	○	●			●	●	●		
0,01	6200	PES 6200-2M	1240,-	34	BB	1			●		●	●	●		○
0,01	8200	PLS 8000-2A	1040,-	30	BC	1			●		●	●			
0,05	6000	PFB 6000-2	250,-	26	BA	1			●		●	●			○
0,05	10000	KB 10K0.05N	260,-	27	BA	1			●		●	●			○
0,05	12000	572-45	500,-	29	BA	1			●		●	●			○
0,05	20000	572-55	530,-	29	BA	1			●		●	●			○
0,1	200	EMB 200-1SS05	170,-*	18	AA	1			●					●	
0,1	400	440-43N	185,-	25	AA	1			●		●	●		●	○
0,1	500	EMB 500-1SS05	190,-*	18	AA	1			●					●	
0,1	500	EMB 500-1	55,-	19	AA	1			●					●	
0,1	500	EMB 500-1BE	55,-	19	AA	1			●					●	
0,1	500	EHA 500-1	65,-	22	AA	1			●			●		●	
0,1	1000	EHA 1000-1	65,-	22	AA	1			●			●		●	
0,1	1000	PCB 1000-1	185,-	24	AA	1			●		●	●		●	○
0,1	1000	440-45N	245,-	25	AA	1			●		●	●		●	○
0,1	1200	EMB 1200-1	78,-	19	AA	1			●					●	
0,1	2000	PCB 2000-1	215,-	24	AA	1			●		●	●		●	○
0,1	2000	440-47N	270,-	25	AA	1			●		●	●		●	○
0,1	3000	EMB 3000-1S	105,-	18	AA	1			●					●	
0,1	3000	EMB 3000-1	125,-	19	AA	1			●					●	
0,1	3000	EHA 3000-1	90,-	22	AA	1			●			●		●	
0,1	4000	440-49N	330,-	25	AA	1			●		●	●		●	○
0,1	6000	EMB 6000-1	160,-	19	AA	1			●					●	
0,1	6000	EMS 6K0.1	160,-	21	AA	1			●			●		●	
0,1	6000	PCD 6K-4	260,-	23	BA	1			●		●	●		●	○
0,1	6000	PCB 6000-1	240,-	24	BA	1			●		●	●		●	○
0,1	6000	440-49A	365,-	25	AA	1			●		●	●		●	○
0,1	6000	PFB 6000-1	225,-	26	BA	1			●		●	●		●	
0,1	6000	EWJ 6000-1SM	340,-	28	BA	1	○	●			●	●			○
0,1	6000	EWJ 6000-1M	350,-	28	BA	1	○	●			●	●			○
0,1	6500	KB 6500-1N	240,-	27	BA	1			●		●	●			○
0,1	6500	573-46	530,-	29	BA	1			●		●	●			○
0,1	8200	PBJ 8200-1M	1420,-	33	CC	1	○	●			●	●	●		
0,1	10000	PCD 10K0.1	240,-	23	BA	1			●		●	●		●	○
0,1	10000	PCB 10000-1	245,-	24	BA	1			●		●	●		●	○
0,1	10000	KB 10000-1N	250,-	27	BA	1			●		●	●			○
0,1	10000	572-43	490,-	29	BA	1			●		●	●			○
0,1	12000	EMS 12K0.1	205,-	21	BA	1			●			●		●	
0,1	12000	PNS 12000-1	570,-	31	BB	1		●			●	●			
0,1	12000	PNJ 12000-1M	705,-	31	BB	1	○	●			●	●			
0,1	12000	EW 12000-1NM	630,-	32	BB	1		●	●		●	●	●		○
0,1	15000	PES 15000-1M	1190,-	34	BB	1			●		●	●	●		○
0,1	16000	572-49	500,-	29	BA	1			●		●	●			○
0,1	20000	PLS 20000-1F	570,-	30	BA	1	○		●		●	●			
0,1	24000	572-57	500,-	29	BA	1			●		●	●			○

02

☐ News 2020
 * Price set of 5 units
● = standard ○ = option

The screenshot displays the KERN website's product section. The header is dark blue with the KERN logo on the left and navigation links in the center. A search bar is on the right. Below the header is a horizontal menu with categories like PRODUKTE, SERVICE, and DOWNLOADS. The main content area has a large 'PRODUKTE' banner with a background image of a KERN building. Below this is a grid of 12 product category tiles, each with an image and a label: News, Basiswagen, Laborwagen, Industriefahrer, Messtechnik-Komponenten, Medizinische Wagen, Prüfgewichte, Messinstrumente, Optische Instrumente, Systeme, Sondergeräte, and a final tile with a binary code background.

Get straight to the right product. Use our new topic area search. Here you will quickly find products which suit your particular area of expertise.



Models with
addition
-S05



The price breaker!

Cheapest Laboratory balance in the KERN
assortment

from €

36,-**

** unit price within the set of 5

The space miracle – stackable school balance for
experiment-based teaching

Features

- **Simple and convenient 2-key operation**
- **Tare function** facilitates formulation work
- **Particularly flat design**
- **Secure and non-slip positioning** with rubber feet
- **1** Stackable for space-saving storage
- **2** A practical **transport safety lock** prevents the weighing technology from being overloaded when stacked, stored or during transportation

Technical data

- Large LCD display, digit height 15 mm
- Dimensions weighing surface, plastic, Ø 120 mm
- Overall dimensions W×D×H 145×205×45 mm
- Optional battery operation, 2× 1.5 V AA, standard, operating time up to 35 h, AUTO-OFF function to preserve the battery
- Net weight approx. 0,50 kg
- Permissible ambient temperature 5 °C/35 °C
- **Note:** Models with addition -S05 are supplied in 5 pieces. This means that the price given in the table refers to a delivery of 5 items. Cannot be delivered individually. The calibration prices given here refer to calibration of a single balance

Accessories

- **External universal mains adapter**, with universal input and optional input socket adapters for EU, GB, USA, KERN YKA-03N, € 32,-

STANDARD

CAL EXT

UNIT

BATT

DMS

1 DAY


OPTION

B

DAKkS

MULTI

+3 DAYS

Model	Weighing capacity [Max] g	Readability [d] g	Reproducibility g	Linearity g	Quantity delivered (balance)	Price excl. of VAT ex works €	Option		Quantity delivered (DAkkS Calibr. Certificate)
							DAkkS Calibr. Certificate		
							DAkkS KERN	€	
KERN									
EMB 200-1SS05	200	0,1	0,2	± 0,3	5	170,-* 	963-127	72,-	1
EMB 500-2S 	500	0,01	0,02	± 0,03	1	120,-*	963-127	72,-	1
EMB 500-1SS05	500	0,1	0,2	± 0,3	5	190,-* 	963-127	72,-	1
EMB 3000-1S	3000	0,1	0,2	± 0,3	1	105,-*	963-127	72,-	1
EMB 2000-0SS05	2000	1	2	± 3	5	170,-* 	963-127	72,-	1
EMB 5000-0SS05	5000	1	2	± 3	5	190,-* 	963-127	72,-	1



Entry level laboratory balance with tremendous weighing performance

Features

- **Simple and convenient 2-key operation**
- **Tare function** facilitates formulation work
- **Particularly flat design**
- **Ready for use:** Batteries included
- **1 Ring-shaped draught shield** standard, only for models with weighing plate size **A**, weighing space $\varnothing \times H$ 96×35 mm
- **Hook for underfloor weighing** standard
- **2 Note:** KERN EMB 500-1BE Black Edition
- **Note:** With the optional auxiliary set for density determination KERN YDB-01 also well suited for school and teaching operation

Technical data

- Large LCD display, digit height 15 mm
- Dimensions weighing surface, plastic, with conductive lacquer
 - A** \varnothing 82 mm
 - B** \varnothing 105 mm
 - C** \varnothing 150 mm, see larger picture
- Weighing plate material
 - A** plastic, with conductive lacquer
 - B, C** plastic
- Net weight approx. 0,75 kg
- Batteries included, 9 V block or 2×1.5 V AA
- Permissible ambient temperature 5 °C/35 °C

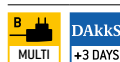
Accessories

- **Stainless steel weighing plate**, only for models with weighing plate size **B**, KERN EMB-A02, **€ 26,-**
- **3 Stack frame** for space-saving storage of precision balances from the KERN EMB range, scope of delivery 5 pieces, for models with housing dimensions W×D×H 170×244×39 mm, KERN EMB-A07, **€ 60,-** 170×244×52 mm, KERN EMB-A09, **€ 75,-**
- **External universal mains adapter**, with universal input and optional input socket adapters for EU, GB, USA, KERN YKA-03N, **€ 32,-**
- **4 Ancillary kit for density determination** of liquids and solids with density > 1. Scope of supplies: Weighing plate (\varnothing 102 mm), hook (H 139 mm), suitable for models with weighing plate size **A**, KERN YDB-04, **€ 25,-**

STANDARD



OPTION



Model	Weighing capacity [Max] g	Readability [d] g	Reproducibility g	Linearity g	Weighing plate	Price excl. of VAT ex works €	Option	
							DAKKS KERN	DAKKS Calibr. Certificate €
KERN								
EMB 100-3	100	0,001	0,001	± 0,005	A	195,-	963-127	72,-
EMB 200-3	200	0,001	0,001	± 0,005	A	210,-	963-127	72,-
EMB 200-2	200	0,01	0,01	± 0,02	B	125,-	963-127	72,-
EMB 600-2	600	0,01	0,01	± 0,03	B	160,-	963-127	72,-
EMB 1000-2	1000	0,01	0,01	± 0,05	C	195,-	963-127	72,-
EMB 2000-2	2000	0,01	0,01	± 0,05	C	205,-	963-127	72,-
EMB 500-1	500	0,1	0,1	± 0,2	C	55,-	963-127	72,-
EMB 500-1BE	500	0,1	0,1	± 0,2	C	55,-	963-127	72,-
EMB 1200-1	1200	0,1	0,1	± 0,3	C	78,-	963-127	72,-
EMB 3000-1	3000	0,1	0,1	± 0,3	C	125,-	963-127	72,-
EMB 6000-1	6000	0,1	0,1	± 0,3	C	160,-	963-128	88,-
EMB 2200-0	2200	1	1	± 2	C	57,-	963-127	72,-
EMB 5.2K1	5200	1	1	± 3	C	60,-	963-128	88,-
EMB 5.2K5	5200	5	5	± 10	C	55,-	963-128	88,-



School balance with integrated density determination function

Features

- **Density determination made easy!** Thanks to the self-explanatory, graphic-assisted control panel, the density of solids and liquids can be determined in seconds, making them ideal for use in schools and universities
- **Self-explanatory graphic control panel**, the workings steps can be understood immediately, even without operating instructions
 - no learning time = reduces costs
 - ideal for untrained users
 - visualised process avoids operating errors
- **The 4 steps are carried out from left to right:**
 - 1 Tare the balance by pressing the [TARE] key
 - 2 Select density determination mode (solids/liquids)
 - 3 Weighing of samples/plummets in air
 - 4 Weighing of samples/plummets in liquid. The density will be shown on the display right away
- **Particularly flat design**
- **Hook for underfloor weighing** standard
- **Ready for use:** Batteries included, 9 V-Block, operating time up to 12 h, AUTO-OFF function to preserve the battery

- **Note: Balance and appropriate set for density determination should be ordered at the same time, see accessories**

Technical data

- Large LCD display, digit height 15 mm
- Dimensions weighing surface, plastic
 - A Ø 82 mm
 - B Ø 150 mm, see larger picture
- Overall dimensions W×D×H 175×245×54 mm
- Net weight approx. 0,85 kg
- Permissible ambient temperature 5 °C/35 °C
- **Now also with carat weighing unit:**
 - EMB 200-3V: 1000 ct/0,005 ct
 - EMB 2000-2V: 10000 ct/0,05 ct

Accessories

KERN EMB 200-3V:

- **5 Ancillary kit for density determination** of liquids and solids with density > 1. Scope of supplies: Weighing plate (Ø 102 mm), hook (H 139 mm), suitable for models with weighing plate size A, KERN YDB-04, € 25,-
- **6 Set for density determination** of liquids and solids with density ≤/≥ 1. Scope of delivery: Weighing plate, beaker (H×Ø 71×51 mm), sample holder, plummet, KERN YDB-01, € 215,-
- **DAkKS-Calibration certificate** for the plummet (20 g), KERN 962-335V, € 143,-

KERN EMB 2000-2V:

- **7 Set for density determination** of liquids and solids with density ≤/≥ 1. Scope of delivery: Weighing plate, beaker (H×Ø 135×100 mm), sample holder, plummet, KERN YDB-02, € 330,-
- **DAkKS-Calibration certificate** for the plummet (200 g), KERN 962-338V, € 141,-

STANDARD

CAL EXT

RS 232

UNIT

UNDER

BATT

MULTI

DMS

1 DAY

OPTION

DAkKS

+3 DAYS

Model	Weighing capacity [Max] g	Readability [d] g	Reproducibility g	Linearity g	Weighing plate	Price excl. of VAT ex works €	Option	
							DAkKS Calibr. Certificate	
							DAkKS KERN	€
KERN EMB 200-3V	200	0,001	0,002	± 0,005	A	250,-	963-127	72,-
EMB 2000-2V	2000	0,01	0,02	± 0,05	B	250,-	963-127	72,-



02

Entry level model in the low-cost range with large weighing plate

Features

- Especially suitable for use in schools and universities, for example for biology, chemistry, physics
- **Large, shock proof weighing plate made of plastic, with conductive lacquer**
- **Particularly flat design**
- **Ergonomically optimised key pad** with large keys and a high-contrast LCD display
- **Secure and non-slip positioning** with rubber feet
- **Adjusting program CAL** for quick setting of the balance accuracy, external test weights at an additional price, see *Test weights*
- **1 Draught shield** standard for models with weighing plate size **A**, weighing space W×D×H 145×145×65 mm

Technical data

- LCD display, digit height 25 mm
- Dimensions weighing surface
 - A** Ø 105 mm
 - B** W×D 175×190 mm, see larger picture
- Weighing plate material
 - A** plastic, with conductive lacquer
 - B** plastic
- Overall dimensions W×D×H 200×280×63 mm (without draught shield)
- Optional battery operation, 9 V-Block not included in scope of delivery, operating time up to 40 h
- External mains adapter standard
- Net weight approx. 1,4 kg
- Permissible ambient temperature 5 °C/35 °C

Accessories

- **2 Stainless steel weighing plate**, only for models with weighing plate size **B**, KERN EMS-A01, € 30,-

STANDARD

CAL EXT

PCS

RECIPE

PERCENT

UNIT

BATT

MULTI

DMS

1 DAY

OPTION

DAKKS

+3 DAYS

Model	Weighing capacity [Max] g	Readability [d] g	Reproducibility g	Linearity g	Weighing plate	Quality code	Price excl. of VAT ex works €	Option	
								DAKKS KERN	DAKKS Calibr. Certificate
KERN									€
EMS 300-3	300	0,001	0,002	± 0,005	A	AA	260,-	963-127	72,-
EMS 3000-2	3000	0,01	0,02	± 0,05	B	BA	240,-	963-127	72,-
EMS 6K0.1	6000	0,1	0,1	± 0,3	B	AA	160,-	963-128	88,-
EMS 12K0.1	12000	0,1	0,1	± 0,3	B	BA	205,-	963-128	88,-
EMS 6K1	6000	1	1	± 3	B	AA	80,-	963-128	88,-
EMS 12K1	12000	1	1	± 3	B	AA	85,-	963-128	88,-

NEW
AA
QUALITY



The compact all-round model with robust stainless steel weighing plate for use in laboratories, industries and for teaching

Features

- Thanks to its compact, robust design, its bright display and high precision, this range is ideal for use in laboratories, quality control, production as well in schools and universities for teaching biology, chemistry and physics, for example
- **Large, shock proof weighing plate made of stainless steel**, can be removed and therefore is hygienic and easy to clean
- **1 Particularly flat design**
- **Ergonomically optimised key pad**
- **Simple and convenient 5-key operation**
- Large high-contrast display that is easy to read
- **2 Secure and non-slip positioning** with rubber feet
- **Level indicator and levelling feet** for precise levelling of the scale, fitted as standard, to give the most accurate weighing result
- **Adjusting program CAL** for quick setting of the balance accuracy, external test weights at an additional price, see *Test weights*

Technical data

- Backlit LCD display, digit height 22 mm
- Dimensions weighing surface, stainless steel
 - A** Ø 105 mm
 - B** B×H 120×120 mm, see larger picture
- Overall dimensions W×D×H 160×225×50 mm (without draught shield)
- Optional battery operation, 2×1.5 V AA, not included in scope of delivery, operating time up to 400 h
- External mains adapter standard
- Net weight approx. 0,5 kg
- Permissible ambient temperature 5 °C/40 °C

STANDARD

CAL EXT

PCS

UNIT

BATT

MULTI

DMS

1 DAY

OPTION

DAKKS
+3 DAYS

Model	Weighing capacity [Max] g	Readability [d] g	Reproducibility g	Linearity g	Weighing plate	Price excl. of VAT ex works €	Option	
							DAkKS Calibr. Certificate	
KERN							DAkKS KERN	€
EHA 500-2	500	0,01	0,03	± 0,02	A	90,-	963-127	72,-
EHA 500-1	500	0,1	0,3	± 0,2	A	65,-	963-127	72,-
EHA 1000-1	1000	0,1	0,3	± 0,2	A	65,-	963-127	72,-
EHA 3000-1	3000	0,1	0,3	± 0,3	B	90,-	963-127	72,-
EHA 3000-0	3000	1	3	± 2	B	65,-	963-127	72,-



High-resolution precision balance with removable display for maximum flexibility

Features

- Laboratory balance with separate platform: Ideal when working in the glove bag or fume cupboard. Particularly practical for weighing toxic, volatile or contaminated substances
- **PRE-TARE function** for manual subtraction of a known container weight, useful for checking fill-levels
- **Freely programmable weighing unit**, e.g. display direct in special units such as length of thread g/m, paper weight g/m², or similar
- **Level indicator and levelling feet** for precise levelling of the scale, fitted as standard, to give the most accurate weighing result
- **1 Draught shield** standard for models with weighing plate size **A**, weighing space W×D×H 146×146×80 mm
- **Protective working cover** included with delivery

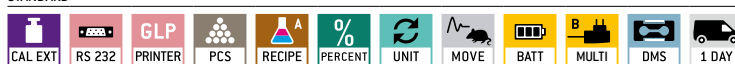
Technical data

- Large backlit LCD display, digit height 21 mm
- Dimensions weighing surface
 - A** Ø 105 mm
 - B** W×D 160×160 mm, see larger picture
- Weighing plate material
 - A** plastic, with conductive lacquer
 - B** stainless steel
- Dimensions of display device W×D×H 140×46×75 mm
- Optional battery operation, 9 V-Block not included in scope of delivery, operating time up to 12 h, AUTO-OFF function to preserve the battery
- Overall dimensions W×D×H 165×280×75 mm
- Cable length of display device approx. 1,2 m
- Net weight approx. 1,2 kg
- Permissible ambient temperature 5 °C/35 °C

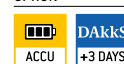
Accessories

- **Protective working cover** over the display device, scope of delivery: 5 items, KERN PCD-A05S05, **€ 40,-**
- **2 Stand** to elevate display device, height of stand approx. 250 mm, KERN PCD-A03, **€ 50,-**
- **Rechargeable battery pack internal**, operating time up to 24 h without backlight, charging time approx. 10 h, KERN PCD-A04, **€ 50,-**
- **3 Foot switch**, ideal when the application requires two free hands. TARE or PRINT function can be selected. Scope of delivery: foot switch, junction box, connection cable. For the PRINT function you will need the RS-232 interface cable, KERN YKF-01, **€ 85,-**
- **RS-232/Ethernet adapter** for connection to an IP-based Ethernet network, KERN YKI-01, **€ 290,-**
- **Individual header data**: the free software can be used to print 4 header lines on the printout when using printers 911-013, YKN-01, YKB-01N, YKE-01 and YKC-01 (in combination with YKI-02)
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD



OPTION



Model	Weighing capacity [Max] g	Readability [d] g	Reproducibility g	Linearity g	Weighing plate	Quality code	Price excl. of VAT ex works €	Option	
								DAKKS KERN	Certificate €
KERN						QUALITY			
PCD 250-3	250	0,001	0,002	± 0,005	A	AA	305,-	963-127	72,-
PCD 300-3	350	0,001	0,002	± 0,005	A	AA	350,-	963-127	72,-
PCD 2500-2	2500	0,01	0,02	± 0,05	B	BA	295,-	963-127	72,-
PCD 3000-2	3500	0,01	0,02	± 0,05	B	BA	350,-	963-127	72,-
PCD 6K-4	6000	0,1	0,1	± 0,3	B	BA	260,-	963-128	88,-
PCD 10K0.1	10000	0,1	0,1	± 0,3	B	BA	240,-	963-128	88,-
PCD 10K-3	10000	1	1	± 3	B	BA	190,-	963-128	88,-



The standard in the laboratory

Features

- **PRE-TARE function** for manual subtraction of a known container weight, useful for checking fill-levels
- **Freely programmable weighing unit**, e.g. display direct in special units such as length of thread g/m, paper weight g/m², or similar
- With the **recipe function** you can weigh the different ingredients of a mixture. As a check, you can also call up the total weight of all the ingredients
- **Plus/minus weighing procedures**
- **Ring-shaped draught shield** standard, only for models with weighing plate size **A**, weighing space $\varnothing \times H$ 90×40 mm
- **Protective working cover** included with delivery

Technical data

- Backlit LCD display, digit height 15 mm
- Dimensions weighing surface
 - A** \varnothing 81 mm
 - B** \varnothing 105 mm
 - C** W×D 130×130 mm
 - D** W×D 150×170 mm, see larger picture
- Weighing plate material
 - A** plastic, with conductive lacquer
 - B, C, D** stainless steel
- Overall dimensions W×D×H 163×245×79 mm (without draught shield)
- Optional battery operation, 9 V-Block not included in scope of delivery, operating time up to 20 h, AUTO-OFF function to preserve the battery
- Permissible ambient temperature 5 °C/35 °C

Accessories

- **Protective working cover**, scope of delivery: 5 items, for models with weighing plate size
 - A** KERN PCB-A02S05, € 40,-
 - B** KERN PCB-A03S05, € 40,-
 - C** KERN PCB-A04S05, € 40,-
 - D** KERN PCB-A05S05, € 40,-
- **Rechargeable battery pack internal**, operating time up to 48 h without backlight, charging time approx. 8 h, KERN PCB-A01, € 75,-
- **RS-232/Ethernet adapter** for connection to an IP-based Ethernet network, KERN YKI-01, € 290,-
- **Balance Connection Software**, KERN SCD-4.0, € 150,-
- **Individual header data**: the free software SHM-01 can be used to print 4 header lines on the printout when using printers 911-013, YKN-01, YKB-01N, YKE-01 and YKC-01 (in combination with YKI-02)
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD



OPTION



Model	Weighing capacity [Max] g	Readability [d] g	Reproducibility g	Linearity g	Weighing plate	Quality code	Price excl. of VAT ex works €	Option	
								DAKKS Calibr. Certificate	
KERN						QUALITY		DAKKS KERN	€
PCB 100-3	100	0,001	0,001	± 0,003	A	AA	265,-	963-127	72,-
PCB 250-3	250	0,001	0,001	± 0,005	A	AA	290,-	963-127	72,-
PCB 350-3	350	0,001	0,002	± 0,005	A	AA	300,-	963-127	72,-
PCB 200-2	200	0,01	0,01	± 0,02	B	AA	230,-	963-127	72,-
PCB 1000-2	1000	0,01	0,01	± 0,03	C	AA	255,-	963-127	72,-
PCB 2500-2	2500	0,01	0,01	± 0,05	C	BA	290,-	963-127	72,-
PCB 3500-2	3500	0,01	0,02	± 0,05	C	AA	300,-	963-127	72,-
PCB 1000-1	1000	0,1	0,1	± 0,2	C	AA	185,-	963-127	72,-
PCB 2000-1	2000	0,1	0,1	± 0,2	C	AA	215,-	963-127	72,-
PCB 6000-1	6000	0,1	0,1	± 0,3	D	BA	240,-	963-128	88,-
PCB 10000-1	10000	0,1	0,1	± 0,3	D	BA	245,-	963-128	88,-
PCB 6000-0	6000	1	1	± 2	D	BA	130,-	963-128	88,-



The classic balance in the laboratory

Features

- **Compact size**, practical for small spaces
- **Percentage determination**: makes it possible to store a given weight value (100 %) and to determine deviations from this target value
- **Ring-shaped draught shield** standard, only for models with weighing plate size **A**, weighing space $\varnothing \times H$ 90×40 mm
- **Protective working cover** included with delivery

Technical data

- Backlit LCD display, digit height 15 mm
- Dimensions weighing surface
 - A** \varnothing 81 mm
 - B** \varnothing 105 mm
 - C** W×D 130×130 mm
 - D** W×D 150×170 mm, see larger picture
- Weighing plate material
 - A** plastic, with conductive lacquer
 - B, C, D** stainless steel
- Overall dimensions (without draught shield) W×D×H 165×230×80 mm
- Optional battery operation, 9 V-Block not included in scope of delivery, operating time up to 20 h, AUTO-OFF function to preserve the battery
- Net weight approx. 0,95 kg
- Permissible ambient temperature 5 °C/35 °C

Accessories

- **Protective working cover**, scope of delivery: 5 items, for models with weighing plate size
 - A** KERN 440-210-002S05, € 40,-
 - B** KERN 440-330-002S05, € 40,-
 - C** KERN 440-450-002S05, € 40,-
 - D** KERN 440-530-002S05, € 40,-
- **Internal rechargeable battery pack**, operating time up to 20 h without backlight, charging time approx. 10 h, KERN FCB-A01, € 50,-
- **Hook for underfloor weighing**, KERN 440-A01, € 25,-
- **RS-232/Ethernet adapter** for connection to an IP-based Ethernet network, KERN YKI-01, € 290,-
- **Individual header data**: the free software SHM-01 can be used to print 4 header lines on the printout when using printers 911-013, YKN-01, YKB-01N, YKE-01 and YKC-01 (in combination with YKI-02)
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD



OPTION



Model	Weighing capacity [Max] g	Readability [d] g	Reproducibility g	Linearity g	Weighing plate	Price excl. of VAT ex works €	Option	
							DAkkS Calibr. Certificate	
KERN							DAkkS KERN	€
440-21A	60	0,001	0,001	± 0,003	A	350,-	963-127	72,-
440-33N	200	0,01	0,01	± 0,02	B	290,-	963-127	72,-
440-35N	400	0,01	0,01	± 0,03	B	330,-	963-127	72,-
440-35A	600	0,01	0,01	± 0,03	B	365,-	963-127	72,-
440-43N	400	0,1	0,1	± 0,2	C	185,-	963-127	72,-
440-45N	1000	0,1	0,1	± 0,2	C	245,-	963-127	72,-
440-47N	2000	0,1	0,1	± 0,2	C	270,-	963-127	72,-
440-49N	4000	0,1	0,1	± 0,3	D	330,-	963-127	72,-
440-49A	6000	0,1	0,1	± 0,3	D	365,-	963-128	88,-
440-51N	4000	1	1	± 2	D	160,-	963-127	72,-
440-53N	6000	1	1	± 2	D	180,-	963-128	88,-



Quick-display precision balance with user-friendly concept of operation modes – now with larger housing for more stability

Features

- **Easy to use:** All primary functions have their own key on the keypad
- **Compact size,** practical for small spaces
- **Capacity display:** A rising bar graph display shows the remaining available weighing capacity
- **Level indicator and levelling feet** for precise levelling of the scale, fitted as standard, to give the most accurate weighing result
- **Draught shield** standard for models with weighing plate size **A** and **B**, Weighing space W×D×H 158×143×64 mm

Technical data

- Backlit LCD display, digit height 15 mm
- Dimensions weighing surface, stainless steel
 - A** Ø 80 mm
 - B** Ø 120 mm
 - C** W×D 155×145 mm, see larger picture
- Overall dimensions W×D×H 210×315×90 mm (without draught shield)
- Net weight approx. 2,0 kg
- Permissible ambient temperature 15 °C/30 °C

Accessories

- **Protective working cover,** scope of delivery: 5 items, KERN PFB-A12S05, **€ 40,-**
- **Separate second display,** ideal for training and demonstration purposes in laboratories or industry, not permitted for direct sales to the public, KERN PFB-A08, **€ 115,-**
- **Bluetooth data interface** for wireless data transfer to PC or tablets, must be ordered at purchase
 - Bluetooth 2.0: KERN PFB-A10, **€ 95,-**
 - Bluetooth 4.0: KERN PFB-A11, **€ 125,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

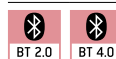
STANDARD



OPTION



FACTORY



Model	Weighing capacity [Max] g	Readability [d] g	Reproducibility g	Linearity g	Weighing plate	Price excl. of VAT ex works €	Option	
							DAkkS Calibr. Certificate	
KERN							DAkkS KERN	€
PFB 120-3	120	0,001	0,001	± 0,003	A	280,-	963-127	72,-
PFB 200-3	200	0,001	0,002	± 0,005	A	285,-	963-127	72,-
PFB 300-3	300	0,001	0,002	± 0,005	A	320,-	963-127	72,-
PFB 600-2	600	0,01	0,01	± 0,03	B	245,-	963-127	72,-
PFB 1200-2	1200	0,01	0,01	± 0,03	B	245,-	963-127	72,-
PFB 2000-2	2000	0,01	0,02	± 0,05	B	260,-	963-127	72,-
PFB 3000-2	3000	0,01	0,02	± 0,05	B	285,-	963-127	72,-
PFB 6000-2	6000	0,05	0,05	± 0,15	C	250,-	963-128	88,-
PFB 6000-1	6000	0,1	0,1	± 0,3	C	225,-	963-128	88,-

Price reduction



Compact precision balance with large weighing capacity

Features

- Thanks to the **many typical laboratory functions**, such as, for example, recipe function, percentage determination, GLP record keeping, combined with the high level of precision, the KERN KB-N is a reliable partner for day-to-day work in the laboratory
- **User guidance step by step** on display by Yes/No dialogue
- **Freely programmable weighing unit**, e.g. display direct in special units such as length of thread g/m, paper weight g/m², or similar
- **Ring-shaped draught shield** standard, only for models with weighing plate size **A**, weighing space $\varnothing \times H$ 90×40 mm
- Model with resolution $\geq 240,000$ Pt.: **Level indicator to level the balance precisely**
- **Protective working cover** included with delivery

Technical data

- Backlit LCD display, digit height 9 mm
- Dimensions weighing surface
 - A** \varnothing 81 mm, plastic, with conductive lacquer
 - B** W×D 130×130 mm, stainless steel
 - C** W×D 150×170 mm, stainless steel, see larger picture
- Overall dimensions W×D×H 167×250×85 mm (without draught shield)
- Net weight approx. 1,00 kg
- Permissible ambient temperature 10 °C/40 °C

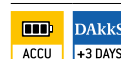
Accessories

- **Protective working cover**, scope of delivery: 5 items, for models with weighing plate size
 - A** KERN PCB-A02S05, **€ 40,-**
 - B** KERN PCB-A04S05, **€ 40,-**
 - C** KERN PCB-A05S05, **€ 40,-**
- **Rechargeable battery pack internal**, operating time up to 30 h without backlight, charging time approx. 10 h, KERN KB-A01N, **€ 50,-**
- **Rechargeable battery pack external**, operating time up to 30 h without backlight, charging time approx. 10 h, KERN KS-A01, **€ 160,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD



OPTION



Model	Weighing capacity [Max] g	Readability [d] g	Reproducibility g	Linearity g	Weighing plate	Quality code	Price excl. of VAT ex works €	Option	
								DAKKS Calibr. Certificate	
KERN						QUALITY		DAKKS KERN	€
KB 120-3N	120	0,001	0,001	± 0,003	A	AA	270,-	963-127	72,-
KB 240-3N	240	0,001	0,001	± 0,003	A	AA	280,-	963-127	72,-
KB 360-3N	360	0,001	0,002	± 0,005	A	AA	290,-	963-127	72,-
KB 650-2N	650	0,01	0,01	± 0,03	B	BA	250,-	963-127	72,-
KB 1200-2N	1200	0,01	0,01	± 0,03	B	BA	260,-	963-127	72,-
KB 2000-2N	2000	0,01	0,01	± 0,03	B	BA	260,-	963-127	72,-
KB 2400-2N	2400	0,01	0,01	± 0,03	B	BA	270,-	963-127	72,-
KB 3600-2N	3600	0,01	0,02	± 0,05	B	BA	290,-	963-127	72,-
KB 10K0.05N	10000	0,05	0,05	± 0,15	C	BA	260,-	963-128	88,-
KB 6500-1N	6500	0,1	0,1	± 0,3	C	BA	240,-	963-128	88,-
KB 10000-1N	10000	0,1	0,1	± 0,3	C	BA	250,-	963-128	88,-



High-quality precision balance with automatic internal adjustment, also with EC type approval [M]

Features

- **Easy to use:** All primary functions have their own key on the keypad
- **Automatic internal adjustment,** time-controlled every 2 h, guarantees high degree of accuracy and makes the balance independent of its location
- **Capacity display:** A bar lights up to show how much of the weighing capacity is still available
- KERN EWJ/EWJ-H/EWJ-M: **USB interface** for transferring weighing data to the PC, printer etc., possibly in conjunction with KERN DBS-A02. Can only be used in combination with KERN DBS-A02 accessories
- KERN EWJ-SM: cost-effective variant without data interfaces
- **Draft shield** standard on models KERN EWJ 300-3, EWJ 600-2SM, EWJ 600-2M, weighing space W×D×H 134×128×80 mm

- **1 KERN EWJ 300-3H: Large glass draught shield** with 3 sliding doors for easy access to the items being weighed. Weighing space W×D×H 175×155×217 mm
- **Protective working cover** included with delivery

Technical data

- Large backlit LCD display, digit height 16,5 mm
- Dimensions weighing surface
 - A Ø 80 mm
 - B Ø 120 mm, see larger picture
 - C W×D 155×145 mm
- Overall dimensions W×D×H
 - 220×315×90 mm (without draught shield)
 - 220×340×321 mm (incl. draught shield)
- Permissible ambient temperature
 - KERN EWJ: 15 °C/35 °C
 - KERN EWJ-M: 15 °C/30 °C

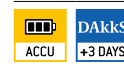
Accessories

- **Protective working cover,** scope of delivery: 5 items, KERN EWJ-A04S05, **€ 40,-**
- **Rechargeable battery pack internal,** operating time up to 15 h without backlight, charging time approx. 4 h, KERN KFB-A01, **€ 35,-**
- KERN EWJ/-H/-M: **USB Accessory Kit** for bi-directional data exchange between balance/moisture analyser and computer. Scope of delivery: USB cable, driver, Software BalanceConnection, KERN DBS-A02, **€ 290,-**
- **RS-232/WiFi adapter** for wireless connection to networks and WiFi capable devices, such as tablets, laptops or smartphones, KERN YKI-03, **€ 690,-**
- **RS-232/Ethernet adapter** for connection to an IP-based Ethernet network, KERN YKI-01, **€ 290,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD



OPTION



FACTORY



Model	Weighing capacity [Max] g	Readability [d] g	Verification value [e] g	Minimal load [Min] g	Linearity g	Weighing plate	Price excl. of VAT ex works €	Option			
								Verification		DAkkS Calibr. Certificate	
KERN								M KERN	€	DAkkS KERN	€
EWJ 300-3	300	0,001	-	-	± 0,005	A	450,-	-	-	963-127	72,-
EWJ 300-3H	300	0,001	-	-	± 0,005	A	490,-	-	-	963-127	72,-
EWJ 3000-2	3000	0,01	-	-	± 0,05	B	430,-	-	-	963-127	72,-
Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible. Verification at the factory, we need to know the full address of the location of use.											
EWJ 600-2SM	600	0,01	0,1	0,5	± 0,03	B	350,-	965-216	66,-	963-127	72,-
EWJ 600-2M	600	0,01	0,1	0,5	± 0,03	B	360,-	965-216	66,-	963-127	72,-
EWJ 6000-1SM	6000	0,1	1	5	± 0,3	C	340,-	965-217	77,-	963-128	88,-
EWJ 6000-1M	6000	0,1	1	5	± 0,3	C	350,-	965-217	77,-	963-128	88,-



All-rounder e.g. as precision balance in the laboratory
or in harsh industrial applications

Features

- Thanks to the **many typical laboratory functions**, such as, for example, recipe function, percentage determination, GLP record keeping, combined with the high level of precision, the KERN 572 · 573 is a reliable partner for day-to-day work in the laboratory
- **The robust version**, typical industrial functions, such as piece-counting, vibrationfree weighing and the large weighing capacities also make these balances ideal for all industrial applications, where a high level of precision is required
- **Freely programmable weighing unit**, e.g. display direct in special units such as length of thread g/m, paper weight g/m², or similar

- **The robust aluminium diecast housing** maintains the stability, protects the weighing technology elements and is robust enough to cope with everyday use
- **Ring-shaped draught shield** standard, only for models with weighing plate size **A**, weighing space $\varnothing \times H$ 157×43 mm
- Model with resolution > 240,000 Pt.: **Level indicator and levelling feet for precise levelling of the scale**, fitted as standard
- **Loop for underfloor weighing**, standard for models with [d] = 0,001 g
- **Protective working cover** included with delivery



Technical data

- Large backlit LCD display, digit height 18 mm
- Dimensions weighing surface, stainless steel
A \varnothing 106 mm
B \varnothing 150 mm
C W×D 160×200 mm, see larger picture
- Overall dimensions W×D×H 180×310×85 mm
- Permissible ambient temperature 10 °C/40 °C

Accessories

- **Protective working cover**, scope of delivery: 5 items, KERN 572-A02S05, **€ 40,-**
- **Rechargeable battery pack external**, operating time up to 30 h without backlight, charging time approx. 10 h, KERN KS-A01, **€ 160,-**
- **Loop and hook for underfloor weighing**, for models with [d] ≥ 0,01 g, KERN 572-A03, **€ 25,-**
- **Large glass draught shield** with 3 sliding doors for easy access to the items being weighed. Weighing space W×D×H 150×140×130 mm, for models with weighing plate size **A**, KERN 572-A05, **€ 230,-**

STANDARD



OPTION



Model	Weighing capacity [Max] g	Readability [d] g	Reproducibility g	Linearity g	Resolution Points	Weighing plate	Price excl. of VAT ex works €	Option DAkkS Calibr. Certificate	
								DAkkS KERN	€
KERN									
572-30	240	0,001	0,001	± 0,003	240.000	A	520,-	963-127	72,-
572-31	300	0,001	0,002	± 0,005	300.000	A	530,-	963-127	72,-
572-32	420	0,001	0,002	± 0,005	420.000	A	540,-	963-127	72,-
573-34	650	0,01	0,01	± 0,03	65.000	B	530,-	963-127	72,-
572-33	1600	0,01	0,01	± 0,03	160.000	B	490,-	963-127	72,-
572-35	2400	0,01	0,01	± 0,03	240.000	B	500,-	963-127	72,-
572-37	3000	0,01	0,02	± 0,05	300.000	B	510,-	963-127	72,-
572-39	4200	0,01	0,02	± 0,05	420.000	B	520,-	963-127	72,-
572-45	12000	0,05	0,05	± 0,15	240.000	C	500,-	963-128	88,-
572-55	20000	0,05	0,1	± 0,25	400.000	C	530,-	963-128	88,-
573-46	6500	0,1	0,1	± 0,3	65.000	C	530,-	963-128	88,-
572-43	10000	0,1	0,1	± 0,3	100.000	C	490,-	963-128	88,-
572-49	16000	0,1	0,1	± 0,3	160.000	C	500,-	963-128	88,-
572-57	24000	0,1	0,1	± 0,3	240.000	C	500,-	963-128	88,-

Price reduction



Technical data

- Backlit LCD display, digit height 17 mm
- Dimensions weighing surface, stainless steel
 - A Ø 110 mm
 - B Ø 160 mm, see larger picture
 - C W×D 200×175 mm
- Permissible ambient temperature
KERN PLS, PLJ: 5 °C/35 °C
KERN PLJ-M: 15 °C/30 °C

Accessories

- **Protective working cover**, scope of delivery: 5 items, KERN PLJ-A01S05, **€ 40,-**
- **Hook for underfloor weighing**, KERN PLJ-A02, **€ 30,-**
- **Set for density determination** of liquids and solids with density $\leq/\geq 1$ for models with [d] = 0,001 g, KERN ALT-A02, **€ 830,-**
[d] = 0,01 g, KERN PLT-A01, **€ 830,-**
- **RS-232/Ethernet adapter** for connection to an IP-based Ethernet network, KERN YKI-01, **€ 290,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

Features

- **1 KERN PLJ 2000-3A: High-quality milligram balance with enormous weighing capacity up to 2100 g** – ideal for large samples or heavy tare containers
- **Ergonomically optimised keypad** for left and righthanded users
- KERN PLJ: **Automatic internal adjustment**, guarantees high degree of accuracy and makes the balance independent of its location of use

- Ideal for mobile applications which require verification, such as ambulatory gold and jewellery purchasing
- KERN PLS: **Adjusting program CAL** for quick setting of the balance accuracy, external test weights at an additional price, see *Test weights*
- **Draught shield** standard for models with weighing plate size A, weighing space $\varnothing \times H$ 60×150 mm
- **Protective working cover** included with delivery

STANDARD



OPTION



FACTORY



Model	Weighing capacity [Max] g	Readability [d] g	Verification value [e] g	Minimal load [Min] g	Linearity g	Weighing plate	Quality code QUA LITY	Price excl. of VAT ex works €	Option			
									Verification		DAKKS Calibr. Certificate	
KERN									M KERN	€	DAKKS KERN	€
PLS 420-3F	420	0,001	-	-	± 0,004	A	BA	590,-	-	-	963-127	72,-
PLS 720-3A	720	0,001	-	-	± 0,002	A	BC	840,-	-	-	963-127	72,-
PLS 1200-3A	1200	0,001	-	-	± 0,003	A	BC	880,-	-	-	963-127	72,-
PLS 4200-2F	4200	0,01	-	-	± 0,04	B	BA	590,-	-	-	963-127	72,-
PLS 6200-2A	6200	0,01	-	-	± 0,03	B	BC	860,-	-	-	963-128	88,-
PLS 8000-2A	8200	0,01	-	-	± 0,04	B	BC	1040,-	-	-	963-128	88,-
PLS 20000-1F	20000	0,1	-	-	± 0,4	C	BA	570,-	-	-	963-128	88,-
PLJ 420-3F	420	0,001	-	-	± 0,003	A	BA	700,-	-	-	963-127	72,-
PLJ 720-3A	720	0,001	-	-	± 0,002	A	CC	980,-	-	-	963-127	72,-
PLJ 1200-3A	1200	0,001	-	-	± 0,003	A	CC	1000,-	-	-	963-127	72,-
PLJ 2000-3A	2100	0,001	-	-	± 0,004	A	CC	1650,-	-	-	963-127	72,-
PLJ 4200-2F	4200	0,01	-	-	± 0,04	B	BA	690,-	-	-	963-127	72,-
PLJ 6200-2A	6200	0,01	-	-	± 0,03	B	CC	980,-	-	-	963-128	88,-
Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible. Verification at the factory, we need to know the full address of the location of use.												
PLJ 720-3AM	720	0,001	0,01	0,02	± 0,002	A	CC	980,-	965-216	66,-	963-127	72,-
PLJ 6200-2AM	6200	0,01	0,1	0,5	± 0,03	B	CC	980,-	965-217	77,-	963-128	88,-

Price reduction



02



The new standard in the laboratory with robust tuning fork weighing system

Features

- KERN PNJ: **Automatic internal adjustment**, guarantees high degree of accuracy and makes the balance independent of its location of use. Ideal for mobile applications which require verification, such as ambulatory gold and jewellery purchasing
- KERN PNS: **Adjusting program CAL** for quick setting of the balance accuracy using an external test weight
- **High-quality tuning fork measuring system** for steady weight values and continuous weighing
- **Capacity display:** A bar lights up to show how much of the weighing capacity is still available
- **Precise counting:** The automatic reference weight optimisation of reference weight gradually improves the average piece weight value
- **Compact size**, practical for small spaces
- **Large, shock proof weighing plate made of stainless steel**

- **Large glass draught shield** with 3 sliding doors for easy access to the items being weighed. Weighing space W×D×H 172×171×160 mm, for models with weighing plate size **A**
- **Protective working cover** included with delivery

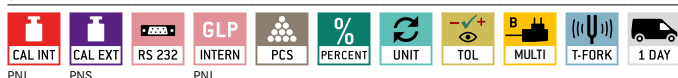
Technical data

- Large LCD display, digit height 16,5 mm
- Dimensions weighing surface, stainless steel
 - A** Ø 140 mm
 - B** W×D 190×190 mm, see larger picture
- Overall dimensions W×D×H
 - A** 196×293×266 mm
 - B** 196×293×89 mm
- Net weight
 - A** approx. 2,2 kg
 - B** approx. 2,8 kg
- Permissible ambient temperature 5 °C/40 °C

Accessories

- **Protective working cover**, scope of delivery: 5 items, KERN PNJ-A01S05, **€ 40,-**
- **RS-232/Bluetooth adapter** to connect to Bluetooth capable devices, such as Bluetooth printers, tablets, laptops, smartphones, etc., KERN YKI-02, **€ 290,-**
- **RS-232/WiFi adapter** for wireless connection to networks and WiFi capable devices, such as tablets, laptops or smartphones, KERN YKI-03, **€ 690,-**
- **RS-232/Ethernet adapter** for connection to an IP-based Ethernet network, KERN YKI-01, **€ 290,-**
- **1 Precious stones plate**, aluminium with practical spout, W×D×H 83×66×23 mm, KERN AEJ-A05, **€ 40,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD



OPTION



FACTORY



Model	Weighing capacity [Max] g	Readability [a] g	Verification value [e] g	Minimal load [Min] g	Linearity g	Weighing plate	Price excl. of VAT ex works €	Option			
								Verification		DAkkS Calibr. Certificate	
								KERN	€	DAkkS KERN	€
KERN											
PNS 600-3	620	0,001	-	-	± 0,004	A	620,-	-	-	963-127	72,-
PNS 3000-2	3200	0,01	-	-	± 0,02	B	580,-	-	-	963-127	72,-
PNS 12000-1	12000	0,1	-	-	± 0,2	B	570,-	-	-	963-128	88,-
Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.											
Verification at the factory, we need to know the full address of the location of use.											
PNJ 600-3M	620	0,001	0,01	0,02	± 0,004	A	740,-	965-216	66,-	963-127	72,-
PNJ 3000-2M	3200	0,01	0,1	0,5	± 0,02	B	705,-	965-216	66,-	963-127	72,-
PNJ 12000-1M	12000	0,1	1	5	± 0,2	B	705,-	965-217	77,-	963-128	88,-



The classic balance with robust tuning fork measuring system

Features

- **1 KERN EG-N: Internal adjustment** by rotary knob on the side. Guarantees high degree of accuracy and makes the balance independent of its location
- KERN EW-N: **Adjusting program CAL** for quick setting of the balance accuracy using an external test weight
- **Stable temperature behaviour**
- **Short stabilisation time**
- **Shock proof construction**
- **High corner load performance**
- **GLP/ISO record keeping** of weight values
- **Totalising** of pieces when counting
- **Draught shield** standard for models with weighing plate size **A**, weighing space W×D×H 158×130×78 mm
- **Protective working cover** included with delivery

Technical data

- Large LCD display, digit height 17 mm
- Dimensions weighing surface, stainless steel
 - A** Ø 118 mm, see larger picture
 - B** W×D 170×140 mm
 - C** W×D 180×160 mm
- Overall dimensions W×D×H, without draught shield
 - A, B** 182×235×75 mm
 - C** 192×275×87 mm
- Net weight approx. 1,4 kg
- Permissible ambient temperature 10 °C/30 °C



Accessories

- **Protective working cover**, scope of delivery: 5 items, for models with weighing plate size
 - A, B** KERN EG-A05S05, **€ 40,-**
 - C** KERN EG-A09S05, **€ 40,-**
- **Rechargeable battery pack internal**, operating time up to 32 h without backlight, charging time approx. 12 h, for models with weighing plate size
 - A, B** KERN EG-A04, **€ 110,-**
 - C** KERN EG-A06, **€ 110,-**
 Note: If the rechargeable battery pack is retrofitted to a verified balance, it must be recalibrated
- **2 Large glass draught shield** with 3 sliding doors for easy access to the items being weighed. Weighing space W×D×H 150×140×130 mm, for models with weighing plate size **A**, KERN EG-A03, **€ 250,-**
- **Loop for underfloor weighing**, for models with weighing plate size
 - A, B** KERN EG-A07, **€ 40,-**
 - C** KERN EG-A08, **€ 40,-**
- **Precious stones plate**, aluminium with practical spout, W×D×H 83×66×23 mm, KERN AEJ-A05, **€ 40,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD



OPTION



FACTORY



Model	Weighing capacity [Max] g	Readability [d] g	Verification value [e] g	Minimal load [Min] g	Linearity g	Weighing plate	Quality code	Price excl. of VAT ex works €	Option			
									Verification		DAkkS Calibr. Certificate	
KERN							QUALITY		M KERN	€	DAkkS KERN	€
EW 220-3NM	220	0,001	-	-	± 0,002	A	AB	620,-	-	-	963-127	72,-
EW 420-3NM	420	0,001	-	-	± 0,003	A	AB	690,-	-	-	963-127	72,-
EW 620-3NM	620	0,001	-	-	± 0,003	A	AB	770,-	-	-	963-127	72,-
EW 820-2NM	820	0,01	-	-	± 0,01	B	BB	540,-	-	-	963-127	72,-
EW 2200-2NM	2200	0,01	-	-	± 0,01	C	BB	660,-	-	-	963-127	72,-
EW 4200-2NM	4200	0,01	-	-	± 0,02	C	BB	760,-	-	-	963-127	72,-
EW 6200-2NM	6200	0,01	-	-	± 0,03	C	BB	810,-	-	-	963-128	88,-
EW 12000-1NM	12000	0,1	-	-	± 0,2	C	BB	630,-	-	-	963-128	88,-
Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible. Verification at the factory, we need to know the full address of the location of use.												
EG 220-3NM	220	0,001	0,01	0,02	± 0,002	A	BB	760,-	965-216	66,-	963-127	72,-
EG 420-3NM	420	0,001	0,01	0,02	± 0,003	A	BB	830,-	965-216	66,-	963-127	72,-
EG 620-3NM	620	0,001	0,01	0,1	± 0,004	A	BB	930,-	965-201	110,-	963-127	72,-
EG 2200-2NM	2200	0,01	0,1	0,5	± 0,01	C	BB	800,-	965-216	66,-	963-127	72,-
EG 4200-2NM	4200	0,01	0,1	0,5	± 0,02	C	BB	880,-	965-216	66,-	963-127	72,-

Price reduction

PREMIUM



02

Multifunctional laboratory balance with single-cell weighing system and EC type approval [M]

Features

- KERN PBJ: **Internal adjustment** in the case of a change in temperature and time-controlled at defined intervals, guarantees high degree of accuracy and makes the balance independent of its location of use
- KERN PBS: **Adjusting program CAL** for quick setting of the balance accuracy using an external test weight
- **Metal housing:** robust and sturdy
- **Dosage aid:** High-stability mode and other filter settings can be selected
- **Weighing with tolerance range (check-weighing):** a visual signal helps with portioning, dispensing or grading
- **Totalising** of weights
- **Identification number:** 4 digits, printed on calibration protocol freely programmable
- **Automatic data output to the PC/printer** each time the balance is steady

- **1 Draught shield** standard for models with [d] = 0,001 g, weighing space W×D×H 180×193×87 mm
- **Protective working cover** included with delivery

Technical data

- Large backlit LCD display, digit height 14 mm
- Dimensions weighing surface, stainless steel
 - A W×D 108×105 mm
 - B W×D 180×190 mm, see larger picture
- Overall dimensions W×D×H 209×322×78 mm (without draught shield)
- Net weight approx. 3,2 kg
- Permissible ambient temperature 10 °C/30 °C

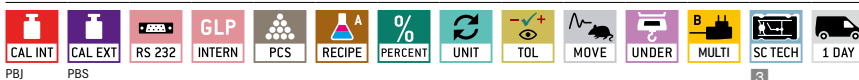
Accessories

- **Protective working cover**, scope of delivery: 5 items, for models with weighing plate size
 - A KERN PBS-A01S05, € 40,-
 - B KERN PBS-A02S05, € 40,-
- **2 Set for density determination** of liquids and solids with density ≥ 1, for models with weighing plate size
 - A KERN PBS-A04, € 1600,-
 - B KERN PBS-A03, € 1650,-
- **RS-232/Ethernet adapter** for connection to an IP-based Ethernet network, KERN YKI-01, € 290,-
- Further details, plenty of further accessories and suitable printers see *Accessories*

3 Single-cell advanced technology:

- **Fully automatic manufactured weighing cell from one piece of material**
- **Stable temperature behaviour**
- **Short stabilisation time:** steady weight values within approx. 3 s under laboratory conditions
- **Shock proof construction**
- **High corner load performance**

STANDARD



PBJ PBS

OPTION



FACTORY



PBJ

Model	Weighing capacity [Max] g	Readability [d] g	Verification value [e] g	Minimal load [Min] g	Linearity g	Weighing plate	Quality code	Price excl. of VAT ex works €	Option			
									Verification		DAKKS Calibr. Certificate	
KERN							QUALITY		M KERN	€	DAKKS KERN	€
PBS 620-3M	620	0,001	-	-	± 0,002	A	BC	1370,-	-	-	963-127	72,-
PBS 4200-2M	4200	0,01	-	-	± 0,02	B	BC	1160,-	-	-	963-127	72,-
PBS 6200-2M	6200	0,01	-	-	± 0,02	B	BC	1390,-	-	-	963-128	88,-
Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.												
Verification at the factory, we need to know the full address of the location of use.												
PBJ 620-3M	620	0,001	0,01	0,1	± 0,002	A	BC	1610,-	965-201	110,-	963-127	72,-
PBJ 4200-2M	4200	0,01	0,1	0,5	± 0,02	B	CC	1430,-	965-216	66,-	963-127	72,-
PBJ 6200-2M	6200	0,01	0,1	1	± 0,02	B	CC	1730,-	965-202	110,-	963-128	88,-
PBJ 8200-1M	8200	0,1	1	5	± 0,2	B	CC	1420,-	965-217	77,-	963-128	88,-



Robust laboratory and industrial precision scale for heavy items, with EC type approval [M]

Features

- KERN PEJ: **Automatic internal adjustment**, guarantees high degree of accuracy and makes the balance independent of its location of use
- KERN PES: **Adjusting program CAL** for quick setting of the balance accuracy using an external test weight
- **Metal housing:** robust and sturdy
- **Weighing with tolerance range (check-weighing):** Input of two upper and two lower limit values through four arrow keys. An audible and visual signal assists with the portioning, dispensing or grading
- **1 Draught shield** standard for models with [d] = 0,001 g, weighing space W×D×H 170×150×100 mm
- **Underfloor weighing:** load support with loop on the underside of the balance, standard for models with [d] = 0,001 g, hook not included in scope of delivery

- **Protective working cover** included with delivery
- **A, B: Protective working cover** included with delivery

Technical data

- Fluorescent display, bright with high contrast, digit height 14 mm
- Dimensions weighing surface, stainless steel
 - A** W×D 140×120 mm
 - B** W×D 200×200 mm, see larger picture
 - C** W×D 250×220 mm
- Overall dimensions W×D×H, without draught shield
 - A** 220×330×90 mm
 - B** 220×339×80 mm
 - C** 260×330×113 mm
- Net weight approx. **A** 4,0 kg, **B** 4,4 kg, **C** 10 kg
- Permissible ambient temperature 10 °C/30 °C

Accessories

- **A, B: Protective working cover**, scope of delivery: 5 items, KERN PES-A04S05, **€ 40,-**
- KERN PES: **Rechargeable battery pack internal**, operating time up to 32 h, without backlight, charging time approx. 15 h, KERN PES-A01, **€ 610,-**
- **Loop for underfloor weighing**, for models with weighing plate size **B**, KERN PES-A03, **€ 40,-**
- **Relay output** to connect relays, signal lamps, valves etc., 5 outputs for weighing in 3 tolerance ranges, must be ordered at purchase, KERN PES-A02, **€ 480,-**
- **RS-232/Ethernet adapter** for connection to an IP-based Ethernet network, KERN YKI-01, **€ 290,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD

CAL INT

CAL EXT

RS 232

GLP

PC

RECIPE

PERCENT

UNIT

TOL

UNDER

230 V

T-FORK

1 DAY

PEJ

OPTION

B

DAKKS

PEJ

FACTORY

SWITCH

ACCU

M

PES

Model	Weighing capacity [Max] g	Readability [d] g	Verification value [e] g	Minimal load [Min] g	Linearity g	Weighing plate	Quality code <div>Q U A L I T Y</div>	Price excl. of VAT ex works €	Option				
									Verification		DAkkS Calibr. Certificate		
									<div>M</div> <div>KERN</div>	€	DAkkS KERN	€	
KERN													
PES 620-3M	620	0,001	-	-	± 0,003	A	BB	1220,-	-	-	-	963-127	72,-
PES 2200-2M	2200	0,01	-	-	± 0,02	B	BB	840,-	-	-	-	963-127	72,-
PES 4200-2M	4200	0,01	-	-	± 0,02	B	BB	1000,-	-	-	-	963-127	72,-
PES 6200-2M	6200	0,01	-	-	± 0,03	B	BB	1240,-	-	-	-	963-128	88,-
PES 15000-1M	15000	0,1	-	-	± 0,2	B	BB	1190,-	-	-	-	963-128	88,-
PES 31000-1M	31000	0,1	-	-	± 0,4	C	CB	2050,-	-	-	-	963-128	88,-
Note: For applications that require verification, please order verification on at the same time, initial verification at a later date is not possible. Verification at the factory, we need to know the full address of the location of use.													
PEJ 620-3M	620	0,001	0,01	0,1	± 0,003	A	BB	1480,-	965-201	I	110,-	963-127	72,-
PEJ 2200-2M	2200	0,01	0,1	0,5	± 0,02	B	CB	1060,-	965-216	II	66,-	963-127	72,-
PEJ 4200-2M	4200	0,01	0,1	0,5	± 0,02	B	CB	1230,-	965-216	III	66,-	963-127	72,-

Price reduction

TIPS FROM THE EXPERTS

As well as our balances and test services, we can offer you an extensive range of microscopes and refractometers.

We will offer you reliable quality at fair prices and with the shortest delivery times. Our product specialists will give you professional advice, will work with you to find the right product and will provide comprehensive support after the purchase too.

This ensures a high level of investment security and a good feeling – KERN, the nice balance manufacturer from the wilds of Southern Germany.

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Telephone +49 7433 9933-0



#1 “No compromises with optical device”

KERN offers you a complete, carefully-designed range of biological microscopes, stereo microscopes, metallurgical microscopes, polarisation microscopes, especially flexible, preconfigured stereomicroscope sets, individually configurable stereomicroscope systems as well as microscope cameras and camera software

#2 “High-precision refractive index measurement for laboratories and industry”

Quick and easy determination of measured values, whether on site, in production or in the laboratory, ensuring safety, consistent quality and accelerating processes. This is what KERN's analog and digital refractometers stand for and at an extremely attractive price in consistently high quality.

All microscopes, microscope cameras, refractometers and a variety of practical accessories can be found in the new KERN Catalog of Microscopes & Refractometers 2020.











KERN OBE-12 · 13




*Daniel Junger,
Head of Product Management
Optical devices*

Analytical balances

Quick-Finder Analytical balances

Readability [d] mg	Weighing capacity [Max] g	Model KERN	Price excl. of VAT ex works €	Page						
For an explanation on the pictos, see front flap										
0,01	101	ABT 100-5NM	1900,-	44	1	○	●		●	●
0,01	0,1	42	120	ABT 120-5DNM	2000,-	44	1	○	●	●
0,01	0,1	52	120	ABP 100-5DM	2660,-	42	1	○	●	●
0,01	0,1	82	220	ALJ 200-5DA	1690,-	38	1		●	●
0,01	0,1	82	220	ABT 220-5DNM	2060,-	44	1	○	●	●
0,01	0,1	102	220	ABP 200-5DM	2850,-	42	1	○	●	●
0,1		82		ABS 80-4N	920,-	40	1		○	●
0,1		82		ABJ 80-4NM	1030,-	40	1	○	●	●
0,1		82		ACS 80-4	1050,-	40	1		●	●
0,1		82		ACJ 80-4M	1160,-	40	1	○	●	●
0,1		120		ADB 600-C3 	610,-	37	1		●	●
0,1		120		ADB 100-4	620,-	37	1		●	●
0,1		120		ADJ 100-4	750,-	37	1		●	●
0,1		120		ADJ 600-C3 	740,-	37	1		●	●
0,1		120		ABS 120-4N	1000,-	40	1		○	●
0,1		120		ABJ 120-4NM	1050,-	40	1	○	●	●
0,1		120		ABT 120-4NM	1450,-	44	1	○	●	●
0,1		120		ABP 100-4M	1840,-	42	1	○	●	●
0,1		120		ACS 100-4	1130,-	40	1		●	●
0,1		120		ACJ 100-4M	1180,-	40	1	○	●	●
0,1		160		ALS 160-4A	960,-	38	1		●	●
0,1		160		ALJ 160-4A	1060,-	38	1		●	●
0,1		160		ALJ 160-4AM	1130,-	38	1	○	●	●
0,1		210		ADB 200-4	640,-	37	1		●	●
0,1		210		ADJ 200-4	790,-	37	1		●	●
0,1		220		ABS 220-4N	1070,-	40	1		○	●
0,1		220		ABJ 220-4NM	1150,-	40	1	○	●	●
0,1		220		ABT 220-4NM	1760,-	44	1	○	●	●
0,1		220		ABP 200-4M	2220,-	42	1	○	●	●
0,1		220		ACS 200-4	1190,-	40	1		●	●
0,1		220		ACJ 200-4M	1280,-	40	1	○	●	●
0,1		250		ALS 250-4A	980,-	38	1		●	●
0,1		250		ALJ 250-4A	1060,-	38	1		●	●
0,1		250		ALJ 250-4AM	1130,-	38	1	○	●	●
0,1		310		ALJ 310-4A	1100,-	38	1		●	●
0,1		320		ABS 320-4N	1200,-	40	1		○	●
0,1		320		ABJ 320-4NM	1320,-	40	1	○	●	●
0,1		320		ABT 320-4NM	1960,-	44	1	○	●	●
0,1		320		ABP 300-4M	2470,-	42	1	○	●	●
0,1		320		ACS 300-4	1350,-	40	1		●	●
0,1		320		ACJ 300-4M	1470,-	40	1	○	●	●
0,1		510		ALJ 500-4A	1860,-	38	1		●	●

News 2020

 = Carat balances

● = standard

○ = option



from €

740,-**Aleksandar Delić**

Product specialist Analytical balances

Tel. +49 7433 9933-120

Fax +49 7433 9933-29120

aleksandar.delic@kern-sohn.com

- ▷ Internal adjustment control
- ▷ Large glass draught shield with 3 sliding doors
- ▷ Large weighing capacities at a top price
- ▷ Now also available with internal adjustment

HIGHLIGHT



03

The price leader in analytical balances, now also with internal adjustment

Features

- **NEW KERN ADJ: Automatic internal adjustment** in the case of a change in temperature $\geq 2\text{ }^{\circ}\text{C}$ or timecontrolled every 3 h, guarantees high degree of accuracy and makes the balance independent of its location of use
- KERN ADB: **Adjusting program CAL** for quick setting of the balance accuracy using an external test weight
- **1** ADB/ADJ 600-C3: Compact, space-saving carat balance with a readout of 0.001 ct and a weighing capacity of 600 ct. The high level of accuracy saves hard cash wherever you are weighing valuable precious stones
- Level indicator and foot screws to level the balance precisely, fitted as standard, to give the most accurate weighing results
- **Large glass draught shield** with 3 sliding doors for easy access to the items being weighed.
- **Compact size**, practical for small spaces
- **Simple and convenient 6-key operation**

Technical data

- Large backlit LCD display, digit height 16 mm
- Dimensions weighing surface, stainless steel, $\varnothing 90\text{ mm}$
- Overall dimensions (incl. draught shield) W×D×H
KERN ADB/ADJ: 230×310×330 mm
KERN ADB-C/ADJ-C: 205×310×210 mm
- Weighing space W×D×H
KERN ADB/ADJ: 170×160×205 mm
KERN ADB-C/ADJ-C: 170×160×110 mm
- Permissible ambient temperature $10\text{ }^{\circ}\text{C}/30\text{ }^{\circ}\text{C}$

Accessories

- **2 Ionizer** to neutralise electrostatic charge, KERN YBI-01A, **€ 890,-**
- **3 Precious stones plate**, aluminium with practical spout, W×D×H 83×66×23 mm, KERN AEJ-A05, **€ 40,-**
- **4 Weighing table** to absorb vibrations and oscillations, which would otherwise distort the weighing result, KERN YPS-03, **€ 970,-**
- **Minimum weight of sample**, smallest weight to be weighed, depending on the required process accuracy, only in combination with a DAkkS calibration certificate, KERN 969-103, **€ 10,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD

CAL INT

CAL EXT

RS 232

GLP

PRINTER

PCS

PERCENT

UNIT

MULTI

FORCE

1 DAY

ADJ ADB

OPTION

DAkkS

+3 DAYS

Model	Weighing capacity	Readability	Reproducibility	Linearity	Net weight	Price excl. of VAT ex works €	Option	
							DAkkS KERN	DAkkS Calibr. Certificate
	[Max] g	[d] mg	mg	mg	approx. kg			€
KERN								
ADB 100-4	120	0,1	0,2	± 0,4	4,4	620,-	963-101	138,-
ADB 200-4	210	0,1	0,2	± 0,4	4,4	640,-	963-101	138,-
ADB 600-C3	120 g 600 ct	0,1 mg 0,001 ct	0,2 mg 0,002 ct	± 0,4 mg ± 0,004 ct	3,8	610,-	963-101	138,-
ADJ 100-4	120	0,1	0,2	± 0,4	5	750,-	963-101	138,-
ADJ 200-4	210	0,1	0,2	± 0,4	5	790,-	963-101	138,-
ADJ 600-C3	120 g 600 ct	0,1 mg 0,001 ct	0,2 mg 0,002 ct	± 0,4 mg ± 0,004 ct	4,5	740,-	963-101	138,-

New model



1 KERN ALJ 200-5DA with optional ionisor 2, see Accessories

Analytical balance range with large weighing capacities – now also with EC type approval [M] or available as semi-micro analytical balance

Features

- **1 ALJ 200-5DA:** High-precision semi-micro analytical balance. Thanks to its high level of precision, it is ideal for calibrating pipettes. Note: To prevent evaporation we recommend economical capillary tubes (see standard DIN EN ISO 8655)
- **2 ALJ-A03:** Ionizer to neutralise electrostatic charge for fixed installation in the analytical balance. Particularly convenient handling as you no longer need a separate device. Simply enable the ionizer fan at the push of a button. Suitable for all models
- KERN ALJ-A/-AM: **Automatic internal adjustment** in the case of a change in temperature $\geq 1,2\text{ }^{\circ}\text{C}$ or timecontrolled every 3 h, guarantees high degree of accuracy and makes the balance independent of its location of use
- KERN ALS-A: **Adjusting program CAL** for quick setting of the balance accuracy using an external test weight
- **Ergonomically optimised keypad** for left and righthanded users
- **Large glass draught shield** with 3 sliding doors for easy access to the items being weighed.
- **Compact size**, practical for small spaces
- **Protective working cover** included with delivery



Technical data

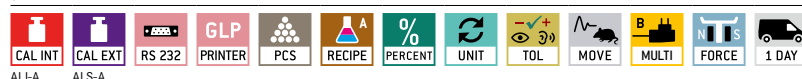
- Backlit LCD display, digit height 17 mm
- Dimensions weighing surface, stainless steel, \varnothing 80 mm
- Overall dimensions (incl. draught shield) W×D×H 210×340×330 mm
- Weighing space W×D×H 160×140×205 mm
- Net weight 7 kg
- Permissible ambient temperature
KERN ALS-A/ALJ-A/ALJ-DA: 5 °C/35 °C
KERN ALJ-AM: 15 °C/30 °C

Accessories

- **Protective working cover**, scope of delivery: 5 items, KERN ALJ-A01S05, **€ 40,-**
- Protective dust cover, KERN ABS-A08, **€ 30,-**
- **2 Draft shield rear panel with integrated ionizer** to neutralise electrostatic charge. Is fitted in place of the existing glass rear panel of the draft shield. Suitable for all models in the range, please order at the time you order your balance, the scope of delivery is the rear panel, ionizer, power supply. Factory Option, KERN ALJ-A03, **€ 620,-**
- **3 Set for density determination** of liquids and solids with density $\leq/\geq 1$, the density is indicated directly on the display, KERN YDB-03, **€ 390,-**

- **4 Weighing table** to absorb vibrations and oscillations, which would otherwise distort the weighing result, KERN YPS-03, **€ 970,-**
- **Minimum weight of sample**, smallest weight to be weighed, depending on the required process accuracy, only in combination with a DAkkS calibration certificate, KERN 969-103, **€ 10,-**
- **Equipment qualification:** compliant qualification concept which includes the following validation services: Installation Qualification (IQ), Operating Qualification (OQ), KERN 961-231B, **€ 750,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD



OPTION



FACTORY



Model	Weighing capacity [Max] g	Readability [d] mg	Verification value [e] mg	Minimal load [Min] mg	Reproducibility mg	Linearity mg	Price excl. of VAT ex works €	Option			
								Verification		DAkkS Calibr. Certificate	
								KERN	€	DAkkS KERN	€
KERN											
ALS 160-4A	160	0,1	-	-	0,1	± 0,3	960,-	-	-	963-101	138,-
ALS 250-4A	250	0,1	-	-	0,1	± 0,3	980,-	-	-	963-101	138,-
Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible. Verification at the factory, we need to know the full address of the location of use.											
ALJ 200-5DA	82 220	0,01 0,1	1	1	0,04 0,1	± 0,1 0,2	1690,-	-	-	963-101	138,-
ALJ 160-4A	160	0,1	-	-	0,1	± 0,3	1060,-	-	-	963-101	138,-
ALJ 160-4AM	160	0,1	1	10	0,2	± 0,3	1130,-	965-201	110,-	963-101	138,-
ALJ 250-4A	250	0,1	-	-	0,1	± 0,3	1060,-	-	-	963-101	138,-
ALJ 250-4AM	250	0,1	1	10	0,2	± 0,3	1130,-	965-201	110,-	963-101	138,-
ALJ 310-4A	310	0,1	-	-	0,1	± 0,3	1100,-	-	-	963-101	138,-
ALJ 500-4A	510	0,1	-	-	0,2	± 0,4	1860,-	-	-	963-101	138,-



KERN ACS/ACJ with standard data interface RS-232 and USB

The bestseller in analytical balances, with high-quality single-cell weighing system, also with EC type approval [M]

Features

- **ABJ-NM: Automatic internal adjustment** in the case of a change in temperature $\geq 2\text{ °C}$ or timecontrolled every 4 h, guarantees high degree of accuracy and makes the balance independent of its location of use
- **ABS-N: Adjusting program CAL** for quick setting of the balance accuracy using an external test weight
- **ACS** identical to ABS-N, **ACJ** identical to KERN ABJ-NM, but with RS-232 and USB data interface integrated as standard
- **Dosage aid:** High-stability mode and other filter settings can be selected
- **Simple recipe weighing and documenting** with a combined tare/print function. In addition, the ingredients for the recipe are numbered automatically and printed out with their corresponding number and nominal weight
- **Automatic data output to the PC/printer** each time the balance is steady
- **Identification number:** 4 digits, printed on calibration protocol freely programmable
- ABJ-NM, ACJ have OIML certification
- **Protective working cover** included with delivery



Technical data

- Large LCD display, digit height 14 mm
- Dimensions weighing surface, stainless steel, Ø 91 mm
- Overall dimensions (incl. draught shield) W×D×H 210×340×325 mm
- Weighing space W×D×H 174×162×227 mm
- Net weight approx. 6 kg
- Permissible ambient temperature 10 °C/30 °C

Accessories

- **Protective working cover**, scope of delivery: 5 items, KERN ACS-A02S05, **€ 40,-**
- **1 Set for density determination** of liquids and solids with density $\leq/\geq 1$, the density is indicated directly on the display, KERN YDB-03, **€ 390,-**
- **2 Ionizer** to neutralise electrostatic charge, KERN YBI-01A, **€ 890,-**
- **KERN ABS-N/ABJ-NM: Data interface RS-232**, interface cable included, approx. 1,5 m KERN ACS-A01, **€ 90,-**
- **3 Weighing table** to absorb vibrations and oscillations, which would otherwise distort the weighing result, KERN YPS-03, **€ 970,-**
- **Minimum weight of sample**, smallest weight to be weighed, depending on the required process accuracy, only in combination with a DAkkS calibration certificate, KERN 969-103, **€ 10,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*



Single-cell advanced technology:

- **Fully automatic manufactured weighing cell from one piece of material**
- **Stable temperature behaviour**
- **Short stabilisation time:** steady weight values within approx. 3 s under laboratory conditions
- **Shock proof construction**
- **High corner load performance**

STANDARD



ABJ-NM/ACJ ABS-N/ACS ACS/ACJ ACS/ACJ

OPTION



ABS-N/ABJ-NM

FACTORY



ABJ-NM/ACJ

Model	Weighing capacity [Max] g	Readability [d] mg	Verification value [e] mg	Minimal load [Min] mg	Reproducibility mg	Linearity mg	Price excl. of VAT ex works €	Option			
								Verification	DAkkS Calibr. Certificate		
KERN								M1 KERN	€	DAkkS KERN	€
ABS 80-4N	82	0,1	-	-	0,2	± 0,3	920,-	-	-	963-101	138,-
ABS 120-4N	120	0,1	-	-	0,2	± 0,3	1000,-	-	-	963-101	138,-
ABS 220-4N	220	0,1	-	-	0,2	± 0,3	1070,-	-	-	963-101	138,-
ABS 320-4N	320	0,1	-	-	0,2	± 0,3	1200,-	-	-	963-101	138,-
Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible. Verification at the factory, we need to know the full address of the location of use.											
ABJ 80-4NM	82	0,1	1	10	0,2	± 0,3	1030,-	965-201	110,-	963-101	138,-
ABJ 120-4NM	120	0,1	1	10	0,2	± 0,3	1050,-	965-201	110,-	963-101	138,-
ABJ 220-4NM	220	0,1	1	10	0,2	± 0,3	1150,-	965-201	110,-	963-101	138,-
ABJ 320-4NM	320	0,1	1	10	0,2	± 0,3	1320,-	965-201	110,-	963-101	138,-
ACS 80-4 <small>NEW</small>	82	0,1	-	-	0,2	+/- 0,3	1050,-	-	-	963-101	138,-
ACS 100-4 <small>NEW</small>	120	0,1	-	-	0,2	+/- 0,3	1130,-	-	-	963-101	138,-
ACS 200-4 <small>NEW</small>	220	0,1	-	-	0,2	+/- 0,3	1190,-	-	-	963-101	138,-
ACS 300-4 <small>NEW</small>	320	0,1	-	-	0,2	+/- 0,3	1350,-	-	-	963-101	138,-
ACJ 80-4M <small>NEW</small>	82	0,1	1	10	0,2	+/- 0,3	1160,-	965-201	110,-	963-101	138,-
ACJ 100-4M <small>NEW</small>	120	0,1	1	10	0,2	+/- 0,3	1180,-	965-201	110,-	963-101	138,-
ACJ 200-4M <small>NEW</small>	220	0,1	1	10	0,2	+/- 0,3	1280,-	965-201	110,-	963-101	138,-
ACJ 300-4M <small>NEW</small>	320	0,1	1	10	0,2	+/- 0,3	1470,-	965-201	110,-	963-101	138,-

NEW New model



KERN ABP 100-5DM with optional ionizer

NEW: Extremely fast ionization process, thanks to the latest generation of KERN ionization technology to neutralise electrostatic charge for fixed installation in the analytical balance. Particularly convenient handling as you no longer need a separate device. Simply enable the ionizer fan at the push of a button. Suitable for all models

Premium analytical balance with the latest Single-Cell Generation for extremely rapid, stable weighing results



Bright OLED display with large viewing angle for the very best readout from a wide range of lines of sight or poor lighting conditions



USB data interfaces and RS-232 for transferring weighing data to the PC, tablet, printer, USB as well as connecting external devices, such as barcode scanner (option), numeric keypad (option) etc.



GLP/ISO record keeping professional and detailed GLP protocol, so that the scale is fully compliant with the relevant standard requirements according to ISO, GLP and GMP



Features

- This new generation of analytical balances combines the highest level of precision with large weighing capacities. Thanks to the new Single-Cell Generation, the weighing result is displayed in a fraction of the time with comparable models. Together with the intuitively structured menu, this means that you can work efficiently and rapidly
- Navigation pad** for super quick navigating through the menus
- Automatic internal adjustment** in the case of a change in temperature $\geq 1\text{ }^{\circ}\text{C}$ or timecontrolled every 4 h, guarantees high degree of accuracy and makes the balance independent of its location of use. For applications which do not require verification the time interval can be individually adjusted
- The **Minimum weight of sample** can be manually stored in the device or automatically calculated. For weighings below this value, the balance issues a warning message
- Dosage aid:** High-stability mode and other filter settings can be selected
- Simple recipe weighing and documenting** with a combined tare/print function. In addition, the ingredients for the recipe are numbered automatically and printed out with their corresponding number and nominal weight
- Individual user settings for up to 10 users can be saved:** user name/user number (can be printed out or added to the record for each process), password, menu language, user profiles, accessing user settings via barcode, additional guest mode for users who are not logged in, authorizations, eg. B. balance adjustment, changing settings or conditioning or modification of a recipe only by the authorized person & performing the formulation by the user

- U.S. FDA 21 Part 11:** assists you in data integrity in accordance with U.S. Pat. FDA 21 Part 11 (for example (weighing result, sample ID, user name, scales ID, ...))
- Menu language DE, GB
- Automatic data output to the PC/printer** each time the balance is steady
- Large glass draught shield** with 3 sliding doors for easy access to the items being weighed.
- KERN ABP-DM: Multi-function weighing plate** included with delivery, minimises the effect of currents of air in the weighing space and therefore significantly improves the stabilization time and repeatability. In addition samples, sample paper, PCR containers, micro centrifuge tubes and many other items which protrude can be easily fixed in place and weighed easily
- Protective working cover included with delivery**

Technical data

- Luminescent OLED display, digit height 14 mm, bright with high contrast, for easy reading of the weight, even in poor lighting conditions
- Dimensions weighing surface \varnothing 91 mm
- Overall dimensions (incl. draught shield) WxDxH 213x407x344 mm
- Weighing space WxDxH 166x156x220 mm
- Net weight approx. 8 kg
- Permissible ambient temperature $10\text{ }^{\circ}\text{C}/30\text{ }^{\circ}\text{C}$

Accessories

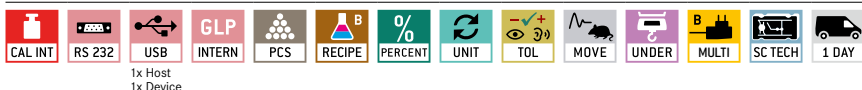
- Protective working cover**, scope of delivery: 5 items, KERN YBA-A06S05, **€ 40,-**
- Set for density determination** of liquids and solids with density $\leq/\geq 1$, the density is indicated directly on the display, KERN YDB-03, **€ 390,-**

- Draft shield rear panel with integrated ionizer** to neutralise electrostatic charge. Is fitted in place of the existing glass rear panel of the draft shield. Suitable for all models in the KERN ABP range, please order at the time you order your balance, the scope of delivery is the rear panel, ionizer, power supply. Factory Option, KERN ABP-A01, **€ 1710,-**
- USB barcode scanner**, hand-held version, dimensions WxDxH 152x84x63 mm, KERN PET-A09, **€ 350,-**
- Clavier USB** pour saisie aisée d'articles, dimensions LxPxH 440x128x24 mm, KERN PET-A06, **€ 45,-**
- Weighing table** to absorb vibrations and oscillations, which would otherwise distort the weighing result, KERN YPS-03, **€ 970,-**
- Minimum weight of sample**, smallest weight to be weighed, depending on the required process accuracy, only in combination with a DAkkS calibration certificate, KERN 969-103, **€ 10,-**
- Equipment qualification:** compliant qualification concept which includes the following validation services: Installation Qualification (IQ), Operating Qualification (OQ), KERN 961-231B, **€ 750,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

Single-cell advanced technology:

- Fully automatic manufactured weighing cell from one piece of material**
- Stable temperature behaviour**
- Short stabilisation time:** steady weight values within approx. 2 s (models with [d] = 0,1 mg), approx. 8 s (models with [d] = 0,01 mg) under laboratory conditions
- Shock proof construction**
- High corner load performance**

STANDARD



OPTION



FACTORY



Model	Weighing capacity [Max] g	Readability [d] mg	Verification value [e] mg	Minimal load [Min] mg	Reproducibility mg	Linearity mg	Price excl. of VAT ex works €	Option			
								Verification		DAkkS Calibr. Certificate	
								KERN	€	DAkkS KERN	€
KERN											
ABP 100-4M	120	0,1	1	10	0,1	$\pm 0,2$	1840,-	965-201	110,-	963-101	138,-
ABP 200-4M	220	0,1	1	10	0,1	$\pm 0,2$	2220,-	965-201	110,-	963-101	138,-
ABP 300-4M	320	0,1	1	10	0,1	$\pm 0,3$	2470,-	965-201	110,-	963-101	138,-
Dual-range balance switches automatically to the next largest weighing capacity [Max] and readability [d]											
ABP 100-5DM	52 120	0,01 0,1	1	1	0,02 0,1	$\pm 0,03$ $0,3$	2660,-	965-201	110,-	963-101	138,-
ABP 200-5DM	102 220	0,01 0,1	1	1	0,02 0,1	$\pm 0,03$ $0,3$	2850,-	965-201	110,-	963-101	138,-

Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.

Verification at the factory, we need to know the full address of the location of use.



The premium model with single-cell weighing system

Features

- **Automatic internal adjustment** in the case of a change in temperature $\geq 0,5\text{ }^{\circ}\text{C}$ or timecontrolled every 4 h, guarantees high degree of accuracy and makes the balance independent of its location of use
- **Dosage aid:** High-stability mode and other filter settings can be selected
- **Simple recipe weighing and documenting** with a combined tare/print function. In addition, the ingredients for the recipe are numbered automatically and printed out with their corresponding number and nominal weight
- **Identification number:** 4 digits, printed on calibration protocol freely programmable
- **Automatic data output to the PC/printer** each time the balance is steady
- **Large glass draught shield** with 3 sliding doors for easy access to the items being weighed.
- **Protective working cover** included with delivery

Technical data

- Large LCD display, digit height 14 mm
- Dimensions weighing surface, stainless steel, \varnothing 80 mm
- Overall dimensions (incl. draught shield) W×D×H 217×356×338 mm
- Weighing space W×D×H 168×172×223 mm
- Net weight approx. 7 kg
- Permissible ambient temperature $10\text{ }^{\circ}\text{C}/30\text{ }^{\circ}\text{C}$

Accessories

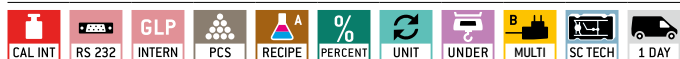
- **Protective working cover**, scope of delivery: 5 items, KERN ABT-A02S05, € 40,-
- **Set for density determination** of liquids and solids with density $\leq/\geq 1$, the density is indicated directly on the display, KERN YDB-03, € 390,-
- **Ionizer** to neutralise electrostatic charge, KERN YBI-01A, € 890,-

- **Weighing table** to absorb vibrations and oscillations, which would otherwise distort the weighing result, KERN YPS-03, € 970,-
- **Minimum weight of sample**, smallest weight to be weighed, depending on the required process accuracy, only in combination with a DAkkS calibration certificate, KERN 969-103, € 10,-
- Further details, plenty of further accessories and suitable printers see *Accessories*

4 Single-cell advanced technology:

- **Fully automatic manufactured weighing cell from one piece of material**
- **Stable temperature behaviour**
- **Short stabilisation time:** steady weight values within approx. 4 s under laboratory conditions
- **Shock proof construction**
- **High corner load performance**

STANDARD



OPTION



FACTORY



Model	Weighing capacity [Max] g	Readability [d] mg	Verification value [e] mg	Minimal load [Min] mg	Reproducibility mg	Linearity mg	Price excl. of VAT ex works €	Option			
								Verification	DAkkS Calibr. Certificate		
KERN								M KERN	€	DAkkS KERN	€
ABT 120-4NM	120	0,1	1	10	0,1	$\pm 0,2$	1450,-	965-201	110,-	963-101	138,-
ABT 220-4NM	220	0,1	1	10	0,1	$\pm 0,2$	1760,-	965-201	110,-	963-101	138,-
ABT 320-4NM	320	0,1	1	10	0,1	$\pm 0,3$	1960,-	965-201	110,-	963-101	138,-
ABT 100-5NM	101	0,01	1	1	0,05	$\pm 0,15$	1900,-	965-201	110,-	963-101	138,-
Dual-range balance switches automatically to the next largest weighing capacity [Max] and readability [d]											
ABT 120-5DNM	42 120	0,01 0,1	1	1	0,02 0,1	$\pm 0,05$ 0,2	2000,-	965-201	110,-	963-101	138,-
ABT 220-5DNM	82 220	0,01 0,1	1	1	0,05 0,1	$\pm 0,1$ 0,2	2060,-	965-201	110,-	963-101	138,-

Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.

Verification at the factory, we need to know the full address of the location of use.

Moisture analysers

Moisture analysing is an integral part of production and processing of many raw and finished products and has a crucial impact on the quality of the product.

Moisture analysers are used particularly in the food industry, water resource management (sewage plants, etc.), plastics industry, agriculture and the energy industry (bio-energy plants, etc.).

Determining moisture requires a great deal of experience. Depending on the type of sample and the task involved, various drying processes are used.

KERN has concentrated on the most widely-used drying method: halogen drying, which brings many advantages:

- Sample is evenly warmed from above, without risk of burning the sample surface
- Affordable purchase costs ensure rapid amortisation of the device
- Most common temperature ranges from 35 – 200 °C
- High measuring precision, up to 0.01 %
- Sufficient buffer capacity, weighing capacity up to 200 g
- Various drying programs (soft drying, standard drying, drying in levels, rapid drying (Boost))

The numerous memories of the KERN moisture analyser are particularly useful, as they hold information on the complete drying processes with drying parameters such as drying time, drying period, drying temperature, display settings, switch off criteria, etc. This saves an enormous amount of time and helps to achieve repeatable results.

On the internet, you will find a practical application handbook containing many examples, field reports, settings and tips for each KERN moisture analyser.





Determination of drying parameters

We would be pleased to carry out individual analyses on the sample you submit, which will help you when setting the parameters of your moisture analyser and will lead to results which can be reproduced. KERN 965-243, € 95,-/hour

Temperature calibration by KERN moisture analyzers (factory calibration certificate)

In order to guarantee the comparability of the results of moisture analyses it is crucial that the heating chamber and therefore the sample are maintained at the correct temperature. Over time, for example, deposits or dirt can contaminate the heating chamber of the moisture analyser and this can distort the measuring results. It is therefore necessary to carry out regular temperature calibration. KERN 964-305, € 140,-

Quick-Finder Moisture analysers

Readability [d] g	Weighing capacity [Max] g	Model KERN	Price excl. of VAT ex works €	Page	 DAYS	 CAL EXT	 MEMORY	 RS 232
For an explanation on the pictos, see front flap								
0,001	60	DBS 60-3	1270,-	47	1	●	●	●
0,001	110	DAB 100-3	1050,-	46	1	●	●	●
0,001	160	DLB 160-3A	1150,-	48	1	●	●	●
0,01	200	DAB 200-2	940,-	46	1	●	●	●

● = standard ○ = option

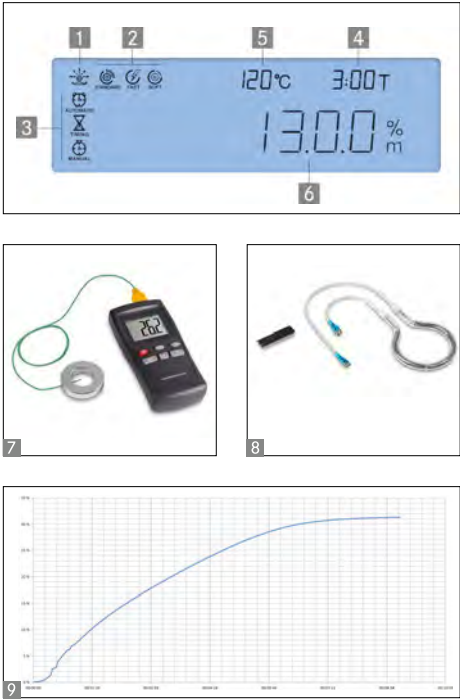
- ▷ **Powerful 400 W halogen quartz glass heater**
- ▷ **High process reliability thanks to 10 storable drying programs and 100 executed drying processes**
- ▷ **Up to 99 samples can be individually labelled and printed out in the measuring protocol**

Jesús Martínez
Product specialist Moisture analysers
Tel. +49 7433 9933-209
Fax +49 7433 9933-29209
jesus.martinez@kern-sohn.com



only €
1270,-

HIGHLIGHT



Particularly user-friendly moisture analyzer with high-quality halogen quartz glass heater- also available as version with [d] = 10 mg, ideal for recurring rapid tests

Features

- KERN DAB 200-2: Version with lower resolution, whereby the switch-off criterion is reached faster, which saves time. Ideal for quick tests and spot checks
- Backlit graphic display, digit height 14 mm
- 1 Drying process active
- 2 Active heating profile
- 3 Active switch-off criteria
- 4 Previous drying time
- 5 Current temperature
- 6 Current moisture content in %

- Halogen quartz glass heater 400 W
- Observation window above the sample, useful during initial setting
- Internal memory for automatic sequence of 15 complete drying processes and 5 drying processes carried out
- The last value measured remains on the display until it is replaced by a new measurement
- 50 sample plates included

- Application handbook: On the internet, you will find a practical application handbook containing many examples, field reports, settings and tips for each KERN moisture analyser

Accessories

- Sample plates aluminium, Ø 90 mm, unit of 80 pieces, KERN MLB-A01A, € 45,-
- Round fiberglass filter high mechanical stability, with organic binder, box of 100 pieces, KERN RH-A02, € 80,-
- Round fiberglass filter, medium mechanical stability, without organic binder, box of 100 pieces, KERN YMF-A01, € 40,-
- Temperature calibration set consists of measuring sensor and display device, KERN DAB-A01., € 110,-
- Infrared quartz glass heater, temperature range 40 °C-160 °C, Factory Option, KERN DAB-A02, € 165,-
- RS-232/Ethernet adapter for connection to an IP-based Ethernet network, KERN YKI-01, € 290,-
- RS-232/Bluetooth adapter to connect to Bluetooth capable devices, such as Bluetooth printers, tablets, laptops, smartphones, etc., KERN YKI-02, € 290,-
- RS-232/WiFi adapter for wireless connection to networks and WLAN capable devices, such as tablets, laptops or smartphones, KERN YKI-03, € 690,-
- Display of the drying process in conjunction with BalanceConnection, KERN SCD-4.0, € 150,-
- Thermal printer, KERN YKB-01N, € 310,-
- Matrix needle printer, to print the weights on normal paper, ideal for long-term archiving, KERN 911-013, € 390,-

STANDARD

CAL EXT

MEMORY

RS 232

GLP

UNIT

230 V

DMS

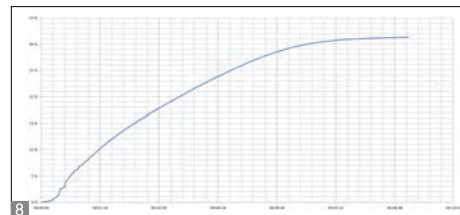
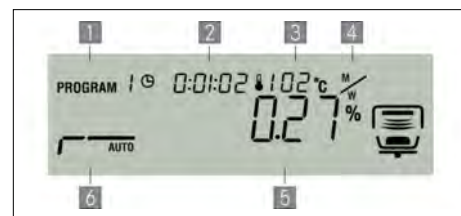
1 DAY

OPTION

DAKKS

+3 DAYS

Model KERN	DAB 200-2	DAB 100-3
Readability [d]	0,01 g/0,05 %	0,001 g/0,01 %
Weighing capacity [Max]	200 g	110 g
Reproducibility weight of sample 2 g	1,5 %	0,15 %
Reproducibility, weight of sample 10 g	0,3 %	0,02 %
Display after drying (Display can be switched over at any time)		
Moisture [%] = Moisture content (M) from wet weight (W)	0 - 100 %	
Dry content [%] = Dry weight (D) from W	100 - 0 %	
Moisture content (M)	Absolute value in [g]	
Temperature range	40 °C-199 °C in steps up to 1 °C	40 °C-160 °C in steps up to 1 °C
Drying modes	<input checked="" type="checkbox"/> Standard drying	
	<input checked="" type="checkbox"/> Gentle drying	
	<input checked="" type="checkbox"/> Rapid drying	
Switch-off criteria	• Automatic switch-off (2 mg loss in weight in 45 s) • Time controlled switch-off (3 min - 99 min 59 s, 10 s increments) • Manual switch-off at the press of a button	
Recall of measurement/ Log output	Interval can be set from 1 s - 10 min (Only when used with printer or PC)	
Overall dimensions W×D×H	240×365×180 mm	
Net weight	4,82 kg	
Price €, excl. of VAT, ex works	940,-	1050,-
Option DAKKS Calibr. Certificate	Mass: KERN 963-127, € 72,-	
Option Factory Calibr. Certificate	Temperature: KERN 964-305, € 140,-	



Moisture analyzer with high-quality single-cell weighing system for outstanding stability, reliability and response speed

Features

- Tip: Suitable for samples with low moisture content, e.g. plastics
- Backlit graphic display, digit height 15 mm
 - 1 Drying process active
 - 2 Previous drying time
 - 3 Current temperature
 - 4 Unit for displaying the results
 - 5 Current moisture content in %
 - 6 Active heating profile

- **Halogen quartz glass heater** 400 W
- Excellent temperature control thanks to halogen technology, suitable for temperature-sensitive samples
- **Internal memory** for automatic sequence of 10 complete drying processes and 100 drying processes carried out
- The last value measured remains on the display until it is replaced by a new measurement

STANDARD



OPTION



Modell KERN	DBS 60-3
Readability [d]	0,001 g/0,01 %
Weighing capacity [Max]	60 g
Reproducibility weight of sample 2 g	0,15 %
Reproducibility, weight of sample 10 g	0,02 %
Display after drying	
Moisture [%] = Moisture content (M) from wet weight (W)	0–100 %
Dry content [%] = Dry weight (D) from W	100–0 %
ATRO [%] [(W-D) : D] · 100%	0–999 %
Moisture content (M)	Absolute value in [g]
Temperature range	50 °C–200 °C in steps up to 1 °C
Drying modes	<input type="checkbox"/> Standard drying <input type="checkbox"/> Drying in levels <input type="checkbox"/> Gentle drying <input type="checkbox"/> Rapid drying
Switch-off criteria	<ul style="list-style-type: none"> • Automatic unrestricted switch-off (Selectable loss in weight 0,01%–0,1% in 30 s) • Time controlled switch-off (1 min–12 h) • Manual switch-off at the press of a button
Recall of measurement/Log output	Interval can be set from 1 s–10 min (Only when used with printer or PC)
Overall dimensions W×D×H	204×336×167 mm
Net weight	approx. 4,6 kg
Price €, excl. of VAT, ex works	1270,-
Option DAKKS Calibr. Certificate	Mass: KERN 963-127, € 72,-
Option Factory Calibr. Certificate	Temperature: KERN 964-305, € 140,-

- Password protection to prevent manipulation of stored settings, data, etc.
- **Sample description** for up to 99 samples, 2 digits, freely programmable, and is printed in the measuring protocol
- **Date and time display** as standard
- **USB data interface** for transferring weighing data to the PC, printer etc. *Can only be used in combination with KERN DBS-A02
- **10 sample plates included**
- **Protective working cover** included with delivery
- **Application handbook:** On the internet, you will find a practical application handbook containing many examples, field reports, settings and tips for each KERN moisture analyser

Accessories

- **Protective working cover**, scope of delivery: 5 items, KERN DBS-A03S05, € 65,-
- **Sample plates aluminium**, Ø 90 mm, unit of 80 pieces, KERN MLB-A01A, € 45,-
- **Round fiberglass filter** high mechanical stability, with organic binder, box of 100 pieces, KERN RH-A02, € 80,-
- **Temperature calibration set** consists of measuring sensor and display device, KERN DBS-A01., € 450,-
- **USB interface kit** for bi-directional data exchange between balance/moisture analyser and computer. Scope of delivery: USB cable, driver, Software Balance Connection, KERN DBS-A02, € 290,-
- **Display of the drying process** in conjunction with BalanceConnection, KERN SCD-4.0, € 150,-
- **Thermal printer**, KERN YKB-01N, € 310,-
- **Matrix needle printer**, to print the weights on normal paper, ideal for long-term archiving, KERN 911-013, € 390,-
- **Label printer**, KERN YKE-01, € 590,-



The moisture analyser for heavy samples

Features

- Backlit LCD display, digit height 17 mm
 - 1 Current moisture content in %
 - 2 Unit for displaying the results
 - 3 Drying process active
- Halogen quartz glass heater 400 W
- Internal memory for automatic sequence of 5 complete drying processes
- The last value measured remains on the display until it is replaced by a new measurement
- 10 sample plates included
- Protective working cover included with delivery
- Application handbook: On the internet, you will find a practical application handbook containing many examples, field reports, settings and tips for each KERN moisture analyser

Accessories

- Protective working cover, scope of delivery: 5 items, KERN ALJ-A01S05, € 40,-
- Sample plates aluminium, Ø 90 mm. unit of 80 pieces, KERN MLB-A01A, € 45,-
- 4 Round fiberglass filter high mechanical stability, with organic binder, box of 100 pieces, KERN RH-A02, € 80,-
- Round fiberglass filter, medium mechanical stability, without organic binder, box of 100 pieces, KERN YMF-A01, € 40,-
- 4 Temperature calibration set consists of measuring sensor and display device, KERN DLB-A01N., € 460,-
- Thermal printer, KERN YKB-01N, € 310,-
- Matrix needle printer, to print the weights on normal paper, ideal for long-term archiving, KERN 911-013, € 390,-

STANDARD

CAL EXT

MEMORY

RS 232

GLP PRINTER

UNIT

230 V

DMS

1 DAY

OPTION

DAkks +3 DAYS

Modell KERN	DLB 160-3A
Readability [d]	0,001 g/0,01 %
Weighing capacity [Max]	160 g
Reproducibility, weight of sample 10 g	0,05 %
Display after drying (Display can be switched over at any time)	
Moisture [%] = Moisture content (M) from wet weight (W)	0–100 %
Dry content [%] = Dry weight (D) from W	100–0 %
ATRO [%] [(W-D) : D] · 100%	0–999 %
Moisture content (M)	Absolute value in [g]
Temperature range	35 °C–160 °C in steps up to 1 °C
Drying modes	<input checked="" type="checkbox"/> Standard drying <input checked="" type="checkbox"/> Rapid drying, preheating can be switched on
Switch-off criteria	• Automatic unrestricted switch-off (Selectable loss in weight 0,1%-9,9% in 60 s) • Time controlled switch-off (1 min – 99 min) • Manual switch-off at the press of a button
Log output	• Continuous output (residual weight) • At the end of the drying process, manual or automatic (Only in connection with printer or PC)
Overall dimensions W×D×H	210×340×225 mm
Net weight	approx. 4,2 kg
Price €, excl. of VAT, ex works	1150,- [↓]
Option DAkks Calibr. Certificate	Mass: KERN 963-127, € 72,-
Option Factory Calibr. Certificate	Temperature: KERN 964-305, € 140,-

[↓] Price reduction

Bench scales

Compact industrial weighing technology

Thanks to their compact dimensions, low weight, robust internal mechanism and the fact that they can be operated independent of mains power, bench scales can be used not only in a stationary situation, but also as mobile scales.

With weighing ranges between 3 kg and 65 kg, bench scales can cover a wide range of applications. Whether as a commissioning scale in the warehouse, for inventory purposes, on a production work station, in quality control, in small workshops, in service cars or in sales offices, bench scales are the first choice.

Durable stainless steel weighing plates, easy to read backlit displays, useful functions such as piece counting, PRE-TARE – subtraction of a known container weight, or ► **interfaces** to PC and printer, all these support the users in their daily work.

► **Dual range** scales cover a particularly wide range of applications. With these scales, the total weighing range is divided into 2 subranges and begins with a high resolution read-out in the fine weighing range. If this range is exceeded the balance automatically switches to the higher weighing range with the lower resolution read-out.

All KERN bench scales have an adjustment program (CAL) to adjust the accuracy. In this way, the high level of accuracy is guaranteed at all times, even during harsh everyday use. Find the right test weights for you, see page 184.

Touchscreen balances

The newest development for an even greater level of user-friendliness is the intuitive touchscreen operation, which is being integrated into new KERN models, see page 58/59 (FKT), 108/109 (IKT).

NOTE: a high-quality touchscreen bench scale range (KERN GAT, page 60/61) and touchscreen platform scale range (KERN IFT, page 110/111). Thanks to the intuitive touchscreen concept and multi-lingual operation (DE, GB, IT, ES, PT, NL, FI, PL, RUS, SE, CZ) the balances can be used easily by inexperienced users, straightaway. For the professional user, the balances also provide convenient functions which permit a high level of individualisation and which thereby make operation significantly easier and quicker. Through a large memory, e.g. for item master data, weighing data etc. the balances are the ideal solution when working with a large range of goods or where there are high requirements for record keeping and documentation. Thanks to the high level of connectivity it is easy to connect barcode readers for item recognition, USB sticks for data storage or data transfer to PCs and networks using RS 232 or USB and this means that this range can be used for many different functions in Industry 4.0 applications.

► *See the glossary on page 223–225*

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




- ▷ Simple and convenient 5-key operation
- ▷ Very fast display
- ▷ High mobility



only €
185,-

HIGHLIGHT

Quick-Finder Bench scales

Readability [d] g	Weighing capacity [Max] kg	Weighing plate W×D mm	Model KERN	Price excl. of VAT ex works €	Page	<div><div><div>DAYS</div><div>M</div><div>CAL EXT</div><div>MEMORY</div><div>RS 232</div><div>PCS</div><div>TOL</div><div>TOL</div><div>MOVE</div><div>BATT</div><div>ACCU</div></div><div>For an explanation on the pictos, see front flap</div></div>											
0,02	6	340×240	FKB 6K0.02	520,-	57	1			●		●	●			●	●	
0,02	6	340×240	FKT 6K0.02L	880,-	59	1			●	●	●	●	●		●	●	○
0,05	6	294×225	GAB 6K0.05N	295,-	56	1			●		●	●	●				○
0,05	8	340×240	FKB 8K0.05	480,-	57	1			●		●	●	●		●	●	○
0,05	16	340×240	FKB 16K0.05	580,-	57	1			●		●	●	●		●	●	○
0,05	16	340×240	FKT 16K0.05L	880,-	59	1			●	●	●	●	●		●	●	○
0,1	3	253×227	FCF 3K-4	185,-	53	1			●			●	●		●	●	○
0,1	3	253×227	FCB 3K0.1	215,-	54	1			●		●	●	●		●	●	○
0,1	8	253×227	FCB 8K0.1	240,-	54	1			●		●	●	●		●	●	○
0,1	8	340×240	FKB 8K0.1A	300,-	55	1			●		●	●	●		●	●	○
0,1	12	294×225	GAB 12K0.1N	295,-	56	1			●		●	●	●	●			○
0,1	16	340×240	FKB 16K0.1	480,-	57	1			●		●	●	●		●	●	○
0,1	36	340×240	FKB 36K0.1	550,-	57	1			●		●	●	●		●	●	○
0,1	36	340×240	FKT 36K0.1L	880,-	59	1			●	●	●	●	●	●	●	●	○
0,2	6	300×225	GAT 6K-4	750,-	60	1			●	●	●	●	●	●			○
0,2	30	294×225	GAB 30K0.2N	295,-	56	1			●		●	●	●	●			○
0,2	36	340×240	FKB 36K0.2	510,-	57	1			●		●	●	●		●	●	○
0,2	65	340×240	FKB 65K0.2	550,-	57	1			●		●	●	●		●	●	○
0,2	65	340×240	FKT 65K0.2L	880,-	59	1			●	●	●	●	●	●	●	●	○
0,5	6	253×227	FCB 6K0.5	195,-	54	1			●		●	●	●		●	●	○
0,5	15	340×240	FKB 15K0.5A	290,-	55	1			●		●	●	●		●	●	○
0,5	15	300×225	GAT 10K-4	750,-	60	1			●	●	●	●	●	●			○
0,5	30	340×240	FKT 30K0.5L	780,-	59	1			●	●	●	●	●	●	●	●	○
0,5	65	340×240	FKB 65K0.5	510,-	57	1			●		●	●	●		●	●	○
1	3	252×228	FCE 3K1N	110,-	52	1			●							●	○
1	6	340×240	FKT 6K1LM	880,-	59	1	○		●	●	●	●	●		●	●	○
1	12	253×227	FCB 12K1	185,-	54	1			●		●	●	●		●	●	○
1	15	340×240	FKB 15K1A	260,-	55	1			●		●	●	●		●	●	○
1	30	253×227	FCF 30K-3	185,-	53	1			●			●	●		●	●	○
1	30	253×227	FCB 30K1	220,-	54	1			●		●	●	●		●	●	○
1	30	340×240	FKB 30K1A	300,-	55	1			●		●	●	●		●	●	○
1	30	300×225	GAT 30K-3	750,-	60	1			●	●	●	●	●	●			○
1	60	340×240	FKT 60K1L	780,-	59	1			●	●	●	●	●	●	●	●	○
1	65	340×240	FKB 65K1A	320,-	55	1			●		●	●	●		●	●	○
1 2	3 6	295×225	GAB 6K1DNM	225,-	56	1	○		●		●	●	●	●			○
2	6	252×228	FCE 6K2N	110,-	52	1			●							●	○
2	12	340×240	FKT 12K2LM	880,-	59	1	○		●	●	●	●	●	●	●	●	○
2	24	253×227	FCB 24K2	185,-	54	1			●		●	●	●		●	●	○
2 5	6 15	300×230	GAB 15K2DNM	225,-	56	1	○		●		●	●	●	●			○
5	10	320×260	ECE 10K-3N	95,-	51	1			●							●	○
5	10	320×260	ECB 10K-3N	110,-	51	1			●							●	○
5	15	252×228	FCE 15K5N	110,-	52	1			●							●	○
5	30	340×240	FKT 30K5LM	880,-	59	1	○		●	●	●	●	●	●	●	●	○
5 10	15 30	294×225	GAB 30K5DNM	225,-	56	1	○		●		●	●	●	●			○
10	20	320×260	ECE 20K-2N	95,-	51	1			●							●	○
10	20	320×260	ECB 20K-2N	110,-	51	1			●							●	○
10	30	252×228	FCE 30K10N	110,-	52	1			●							●	○
10	60	340×240	FKT 60K10LM	880,-	59	1	○		●	●	●	●	●	●	●	●	○
20	50	320×260	ECE 50K-2N	95,-	51	1			●							●	○
20	50	320×260	ECB 50K-2N	110,-	51	1			●							●	○

● = standard ○ = option



05

Plain, mobile, uncomplicated

Features

- **High mobility:** Battery operation, compact, lightweight construction, recessed grips on the underside and low weight make this balance ideal for use in several locations
- Particularly large weighing plate
- **Very fast display:** steady weight values within 2 s
- **Simple and convenient 2-key operation**

Technical data

- KERN ECB-N: Large backlit LCD display, digit height 21 mm
- KERN ECE-N: Large LCD display, digit height 21 mm
- Dimensions weighing surface W×D 320×260 mm
- Weighing plate material
 - KERN ECE-N: plastic
 - KERN ECB-N: stainless steel, see larger picture
- Overall dimensions W×D×H 320×300×60 mm
- Optional battery operation, 6×1.5 V AA, standard, operating time up to 100 h, AUTO-OFF function to preserve the battery
- Net weight
 - KERN ECE-N: approx. 1,6 kg
 - KERN ECB-N: approx. 2,6 kg
- Permissible ambient temperature 5 °C/35 °C

Accessories

- **Rechargeable battery pack internal,** operating time up to 30 h without backlight, charging time approx. 10 h, KERN PCB-A01, **€ 75,-**
- **Rechargeable battery pack external,** operating time up to 30 h without backlight, charging time approx. 10 h, KERN KS-A01, **€ 160,-**
- **Tare pan made of stainless steel,** ideal for weighing loose small parts, fruit, vegetables etc., W×D×H 370×240×20 mm, KERN RFS-A02, **€ 55,-**
- **External universal mains adapter,** with universal input and optional input socket adapters for EU, GB, USA, KERN YKA-03N, **€ 32,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD

CAL EXT

BATT

DMS

1 DAY

OPTION

ACCU

MULTI

DAKKS

+3 DAYS

Model	Weighing capacity [Max] kg	Readability [d] g	Reproducibility g	Linearity g	Price excl. of VAT ex works €	Option	
						DAkkS KERN	DAkkS Calibr. Certificate €
KERN							
ECE 10K-3N	10	5	5	± 20	95,-	963-128	88,-
ECE 20K-2N	20	10	10	± 40	95,-	963-128	88,-
ECE 50K-2N	50	20	20	± 80	95,-	963-128	88,-
ECB 10K-3N	10	5	5	± 20	110,-	963-128	88,-
ECB 20K-2N	20	10	10	± 40	110,-	963-128	88,-
ECB 50K-2N	50	20	20	± 80	110,-	963-128	88,-

Price reduction

05



Entry-level bench scale – mobile, practical, lightweight

Features

- **Simple and convenient 2-key operation**
- **Very fast display:** steady weight values within 3 s
- **1** Ideal as a compact letter and parcel scale, especially where space is limited
- **2** Ideal as a grading, commissioning or simple checkweighing scale in production or dispatch
- **Protective working cover** included with delivery

Technical data

- Large LCD display, digit height 25 mm
- Dimensions weighing surface, plastic, W×D 252×228 mm
- Overall dimensions W×D×H 270×323×110 mm
- Optional battery operation, 9 V-Block not included in scope of deliveryw, operating time up to 12 h, AUTO-OFF function to preserve the battery
- Net weight approx. 2,4 kg
- Permissible ambient temperature 5 °C/35 °C

Accessories

- **Protective working cover**, scope of delivery: 5 items, KERN FCB-A02S05, **€ 40,-**
- **Stainless steel weighing plate**, robust, removable, for easy cleaning, KERN FCE-A01, **€ 35,-**
- **Rechargeable battery pack internal**, operating time up to 20 h without backlight, charging time approx. 10 h, KERN FCB-A01, **€ 50,-**

STANDARD

CAL EXT

BATT

MULTI

DMS

1 DAY

OPTION

ACCU

DAKKS

+3 DAYS

Model	Weighing capacity [Max] kg	Readability [d] g	Reproducibility g	Linearity g	Price excl. of VAT ex works €	Option	
						DAkKS Calibr. Certificate	
KERN						DAkKS KERN	€
FCE 3K1N	3	1	2	± 3	110,-	963-127	72,-
FCE 6K2N	6	2	2	± 4	110,-	963-128	88,-
FCE 15K5N	15	5	10	± 15	110,-	963-128	88,-
FCE 30K10N	30	10	10	± 30	110,-	963-128	88,-



Compact bench scale with multi-purpose functionality and a high level of accuracy for use in industry, gastronomy and kitchen

Features

- **Simple and convenient 5-key operation**
- **Very fast display:** steady weight values within 3 s
- Ideal as a
 - compact letter and parcel scale, especially in constricted spaces
 - grading or commissioning balance or simple checkweigher in production or dispatch
 - Checkweigher in the catering trade, cafeterias, school kitchens
- **High mobility:** thanks to battery operation/ rechargeable battery operation (optional), compact, lightweight construction, it is suitable for the use in several locations (production, warehouse, dispatch department etc.)
- **Protective working cover** included with delivery

Technical data

- Large backlit LCD display, digit height 25 mm
- Dimensions weighing surface, stainless steel, W×D 253×228 mm
- Overall dimensions W×D×H 270×345×106 mm
- Optional battery operation, 9 V-Block not included in scope of delivery, operating time up to 20 h, AUTO-OFF function to preserve the battery
- Net weight approx. 2,8 kg
- Permissible ambient temperature 5 °C/35 °C

Accessories

- **Protective working cover**, scope of delivery: 5 items, KERN FCF-A01S05, **€ 40,-**
- **Rechargeable battery pack internal**, operating time up to 120 h without backlight, charging time approx. 16 h, KERN GAB-A04, **€ 40,-**

STANDARD

CAL EXT

PCS

RECIPE

PERCENT

UNIT

MOVE

BATT

MULTI

DMS

1 DAY

OPTION

ACCU

DAkKS

+3 DAYS

Model	Weighing capacity	Readability	Reproducibility	Linearity	Smallest part weight [Normal] g/piece	Price excl. of VAT ex works €	Option	
							DAkKS Calibr. Certificate	
KERN	[Max] kg	[d] g	g	g			DAkKS KERN	€
FCF 3K-4	3	0,1	0,1	± 0,3	2	185,-	963-127	72,-
FCF 30K-3	30	1	1	± 3	20	185,-	963-128	88,-



Bench scale with second display on the backside of the scale

Features

- **1 Second display** on the rear of the balance
- **PRE-TARE function** for manual subtraction of a known container weight, useful for checking fill-levels
- **High mobility:** thanks to battery operation/ rechargeable battery operation (optional), compact, lightweight construction, it is suitable for the use in several locations (production, warehouse, dispatch department etc.)
- **Data interface RS-232** standard
- **Protective working cover** included with delivery

Technical data

- Backlit LCD display, digit height 25 mm
- Dimensions weighing surface, stainless steel, W×D 253×227 mm
- Overall dimensions W×D×H 270×323×110 mm
- Optional battery operation, 9 V-Block not included in scope of delivery, operating time up to 12 h
- Net weight approx. 2,6 kg
- Permissible ambient temperature 5 °C/35 °C

Accessories

- **Protective working cover**, scope of delivery: 5 items, KERN FCB-A02S05, **€ 40,-**
- **Rechargeable battery pack internal**, operating time up to 12 h without backlight, charging time approx. 10 h, KERN FCB-A01, **€ 50,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD

CAL EXT

RS 232

PCS

RECIPE

PERCENT

UNIT

MOVE

BATT

MULTI

DMS

1 DAY

OPTION

ACCU

DAKkS +3 DAYS

Model	Weighing capacity [Max] kg	Readability [d] g	Reproducibility g	Linearity g	Smallest part weight [Normal] g/piece	Price excl. of VAT ex works €	Option	
							DAKkS Calibr. Certificate	
KERN							DAKkS KERN	€
FCB 3K0.1	3	0,1	0,1	± 0,3	2	215,-	963-127	72,-
FCB 8K0.1	8	0,1	0,1	± 0,3	2	240,-	963-128	88,-
FCB 6K0.5	6	0,5	0,5	± 1,5	10	195,-	963-128	88,-
FCB 12K1	12	1	1	± 3	20	185,-	963-128	88,-
FCB 30K1	30	1	1	± 3	20	220,-	963-128	88,-
FCB 24K2	24	2	2	± 6	40	185,-	963-128	88,-

Price reduction



Bench scale up to 65 kg with large weighing plate

Features

- **PRE-TARE function** for manual subtraction of a known container weight, useful for checking fill-levels
- **1 Particularly practical:** thanks to the large weighing capacities and compact dimensions, you can accurately weigh heavy loads in the most restricted of spaces. Useful for determining very small weight differences, such as, for example, gas wastage, abrasion of mechanical parts, rock samples, minerals, druses, silver etc.
- Large, robust weighing plate made of stainless steel, removable for easy cleaning
- **Freely programmable weighing unit**, e.g. display direct in special units such as length of wire g/m, surface weight g/m², or else
- **Protective working cover** included with delivery

Technical data

- Large backlit LCD display, digit height 25 mm
- Dimensions weighing surface, stainless steel, W×D 340×240 mm
- Overall dimensions W×D×H 350×390×120 mm
- Optional battery operation, 9 V-Block not included in scope of delivery, operating time up to 12 h
- Net weight approx. 6 kg
- Permissible ambient temperature 5 °C/35 °C

Accessories

- **Protective working cover**, scope of delivery: 5 items, KERN FKB-A02S05, **€ 40,-**
- **Rechargeable battery pack internal**, operating time up to 10 h without backlight, charging time approx. 10 h, KERN PCB-A01, **€ 75,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD

CAL EXT

RS 232

PCS

RECIPE

PERCENT

UNIT

MOVE

UNDER

BATT

MULTI

DMS

1 DAY

OPTION

ACCU

DAKKS +3 DAYS

Model	Weighing capacity [Max] kg	Readability [d] g	Reproducibility g	Linearity g	Smallest part weight [Normal] g/piece	Price excl. of VAT ex works €	Option	
							DAKKS Calibr. Certificate	
KERN							DAKKS KERN	€
FKB 8K0.1A	8	0,1	0,1	± 0,3	2	300,-	963-128	88,-
FKB 15K0.5A	15	0,5	0,5	± 1,5	10	290,-	963-128	88,-
FKB 15K1A	15	1	1	± 3	20	260,-	963-128	88,-
FKB 30K1A	30	1	1	± 3	20	300,-	963-128	88,-
FKB 65K1A	65	1	1	± 3	20	320,-	963-129	105,-



Checkweighing and portioning scale, also with EC type approval [M]

Features

- **Compact size**, practical for small spaces
- **High mobility**: thanks to rechargeable battery operation (optional), compact, lightweight construction, it is suitable for the use in several locations (production, warehouse, dispatch department etc.)
- **Weighing with tolerance range (checkweighing)**: a visual and audible signal helps with portioning, dispensing or grading
- **Totalising** of weights
- **Protective working cover** included with delivery

Technical data

- Large backlit LCD display, digit height 24 mm
- Dimensions weighing surface W×D 295×225 mm
- Overall dimensions W×D×H 320×345×125 mm
- Net weight approx. 3,0 kg
- Permissible ambient temperature
GAB-N: 0 °C/40 °C
GAB-DNM: -10 °C/40 °C

Accessories

- **Protective working cover**, scope of delivery: 5 items, KERN CFS-A02S05, € 40,-
- **Rechargeable battery pack internal**, operating time up to 90 h without backlight, charging time approx. 12 h, KERN GAB-A04, € 40,-

- **WiFi interface** for wireless connection of the balance to networks and WiFi capable devices, such as tablets, laptops or smartphones, must be ordered at purchase, please ask for delivery time, KERN CFS-A05, € 120,-
- **Signal lamp** for visual support of weighing with tolerance range, KERN CFS-A03, € 250,-
- **Y-cable** for parallel connection of two terminal devices to the RS-232 interface on the scale, e.g. signal lamp and printer, KERN CFS-A04, € 35,-
- **Tare pan made of stainless steel**, ideal for weighing loose small parts, fruit, vegetables etc., W×D×H 370×240×20 mm, KERN RFS-A02, € 55,-
- Further details, plenty of further accessories and suitable printers see *Accessories*

Application examples

- Small industrial scale for pharmacies
- Hand mixtures of tea, coffee, chocolates
- Portioning of dough, meat, fish, poultry, mixed salads in cafeterias etc.
- Mobile weighing of freshly picked fruit on site
- Checkweigher in supermarkets
- High-precision industrial applications, piece counting or stock-taking

Note: Official verification duty for commercial trade

STANDARD



OPTION



FACTORY



Model	Weighing capacity [Max] kg	Readability [d] g	Verification value [e] g	Minimal load [Min] g	Smallest part weight [Normal] g/piece	Price excl. of VAT ex works €	Option			
							Verification	€	DAkkS Calibr. Certificate	
KERN									DAkkS KERN	€
GAB 6K0.05N	6	0,05	-	-	0,5	295,-	-	-	963-128	88,-
GAB 12K0.1N	12	0,1	-	-	1	295,-	-	-	963-128	88,-
GAB 30K0.2N	30	0,2	-	-	2	295,-	-	-	963-128	88,-
Dual-range balance switches automatically to the next largest weighing capacity [Max] and readability [d]										
Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.										
Verification at the factory, we need to know the full address of the location of use.										
GAB 6K1DNM	3 6	1 2	1 2	20	2	225,-	965-228	70,-	963-128	88,-
GAB 15K2DNM	6 15	2 5	2 5	40	5	225,-	965-228	70,-	963-128	88,-
GAB 30K5DNM	15 30	5 10	5 10	100	10	225,-	965-228	70,-	963-128	88,-

* Verification not in combination with KERN CFS-A05



Large, high resolution bench scale

Features

- Thanks to the high resolution of up to 360.000 points it is ideal for high-precision weighing in the industrial field
- **Housing with robust aluminium diecast housing trough**, maintains the stability, protects the weighing technology elements and is robust enough to cope with everyday use
- **Particularly practical:** thanks to the large weighing capacities and compact dimensions, you can accurately weigh heavy loads in the most restricted of spaces. Useful for determining very small weight differences, such as, for example, gas wastage, abrasion of mechanical parts, rock samples, minerals, druses, silver etc.
- **PRE-TARE function** for manual subtraction of a known container weight, useful for checking fill-levels
- **Freely programmable weighing unit**, e.g. display direct in special units such as length of wire g/m, surface weight g/m², or else

- **Model with resolution > 240.000 Pkt.: Level indicator and levelling feet for precise levelling of the scale**, fitted as standard
- **Protective working cover** included with delivery

Technical data

- Backlit LCD display, digit height 18 mm
- Dimensions weighing surface, stainless steel, W×D 340×240 mm
- Dimensions housing W×D×H, 350×390×120 mm
- Optional battery operation, 6×1.5 V Size C not included in scope of delivery, operating time up to 40 h
- Net weight approx. 7 kg
- Permissible ambient temperature 10 °C/40 °C

Accessories

- **Protective working cover**, scope of delivery: 5 items, KERN FKB-A02S05, **€ 40,-**
- **Rechargeable battery pack external**, operating time up to 30 h without backlight, charging time approx. 10 h, KERN KS-A01, **€ 160,-**
- **Tare pan made of stainless steel**, ideal for weighing loose small parts, fruit, vegetables etc., W×D×H 370×240×20 mm, KERN RFS-A02, **€ 55,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD

CAL EXT

RS 232

PCS

RECIPE

PERCENT

UNIT

MOVE

UNDER

BATT

MULTI

DMS

1 DAY

OPTION

ACCU

DAkKS +3 DAYS

Model	Weighing capacity [Max] kg	Readability [d] g	Reproducibility g	Linearity g	Smallest part weight [Normal] g/piece	Price excl. of VAT ex works €	Option	
							DAkKS KERN	Certificate €
KERN								
FKB 6K0.02	6	0,02	0,04	± 0,1	0,2	520,-	963-128	88,-
FKB 8K0.05	8	0,05	0,05	± 0,15	0,5	480,-	963-128	88,-
FKB 16K0.05	16	0,05	0,1	± 0,25	0,5	580,-	963-128	88,-
FKB 16K0.1	16	0,1	0,1	± 0,3	1	480,-	963-128	88,-
FKB 36K0.1	36	0,1	0,2	± 0,5	1	550,-	963-128	88,-
FKB 36K0.2	36	0,2	0,2	± 0,6	2	510,-	963-128	88,-
FKB 65K0.2	65	0,2	0,4	± 1	2	550,-	963-129	105,-
FKB 65K0.5	65	0,5	0,5	± 1,5	5	510,-	963-129	105,-

Alibi memory

- Ring memory for up to 49,152 measuring results (744 measuring results per day!)
- Saved measuring results cannot be changed or cleared. If the maximum memory capacity is reached, then the oldest value will be overwritten
- In addition to the measuring result, the date, time, tare value, a sequential number and the serial number of the balance are also saved
- Saved measuring results can be searched and recalled easily
- The alibi memory can also be used for applications which do not require verification
- Complies with WELMEC 2.5



Touchscreen industrial scale with enormous range of functions, also with EC type approval [M]

**Easy input of text and values**

Using large keypad, e.g. up to 80 item descriptions, user name, packaging weights for tare containers etc.

**80 memories for each mode**

e.g. for Checkweighing, PRE-TARE, reference weight, target value when dispensing, item descriptions, user name, weights for tare containers, etc. Easy to enter using the large-scale keypad

**Weighing with tolerance range (checkweighing)**

Input of an upper/lower limit value. A visual and audible signal assists with portioning, dispensing or grading

Features

- **Convenient recipe weighing:** 99 In recipes with 10 components each can be stored in plain text. There is a function to adjust the other components if the initial weight was too high. The actual values and the desired values well as the proportionate percentages can be printed afterwards.
- **Multiplier function:** recipes with the ingredient weights recorded as percentage values can easily be replicated by entering a new target weight. The ideal solution for the preparation of larger containers, bulk packs etc.
- **Rapid function** for shortened stabilisation time with reduced readability
- **16 print forms** which can store up to 20 different information, such as, e.g., date, time, operator, item, net, tare, gross, PCS, target weight, PRE-TARE etc. The print forms can be generated easily in an Excel list at the PC and transferred to the balance using the RS-232 interface
- **Control outputs (optocoupler, digital I/O)** to connect relays, signal lamps, valves etc. (35 V/80 mA)
- **Protective working cover and hook for underfloor weighing** standard

Technical data

- Large backlit LCD touch display, digit height 18 mm, screen diagonal 5,8" (127×74 mm)
- Dimensions weighing surface, stainless steel, W×D 340×240 mm
- Overall dimensions W×D×H 350×390×120 mm
- Optional battery operation, 6×1.5 V Size C not included in scope of delivery, operating time up to 20 h
- Permissible ambient temperature 10 °C/40 °C

Accessories

- **Protective working cover**, scope of delivery: 5 items, KERN FKB-A02S05, **€ 40,-**
- **Rechargeable battery pack external**, operating time up to 20 h without backlight, charging time approx. 10 h, KERN KS-A01, **€ 160,-**
- **RS-232/Ethernet adapter** for connection to an IP-based Ethernet network, KERN YKI-01, **€ 290,-**
- **RS-232/USB adapter**, to connect peripheral devices with USB connection, KERN AFH 12, **€ 85,-**
- **Signal lamp** for visual support of weighing with tolerance range, KERN IKT-A04, **€ 260,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

Modes

- ① Weighing
- ② Counting
- ③ Dispensing
- ④ Recipe weighing
- ⑤ Checkweighing
- ⑥ Totalising with daily total
- ⑦ Percentage determination
- ⑧ Animal weighing
- ⑨ Surface weight
- ⑩ Rapid function, not for [M]

Functions

- Capacity display with ①-②, ⑤-⑦, ⑨-⑩
- Dispensing aid (-/+), with ③, ④
- Net/gross display, permanent, with ①, ③-⑤, ⑧-⑩
- Variable reference quantity, with ②
- Automatic reference optimisation, with ②
- PRE-TARE numerical or from the memory unit, with ①-⑦, ⑩
- Entering of item or batch description, operator etc., with ①-⑦, ⑩
- Freely programmable weighing unit, e.g. display direct in special units such as length of thread g/m, grammage g/m², or similar, with ⑨
- Date/time, with ①-⑩
- Statistical function, with ①
- GLP printout, with ①-⑩
- Individual formatting of up to 16 printer forms, recipes, operating mode master data in MS Excel, import via RS-232, for examples, see the internet, with ①-⑩

STANDARD



OPTION



FACTORY



Model	Weighing capacity [Max] kg	Readability [d] g	Verification value [e] g	Minimal load [Min] g	Smallest part weight [Normal] g/piece	Price excl. of VAT ex works €	Option			
							Verification	DAKKS	Calibr.	Certificate
KERN								KERN	€	€
FKT 30K0.5L	30	0,5	-	-	5	780,-	-	-	963-128	88,-
FKT 60K1L	60	1	-	-	10	780,-	-	-	963-129	105,-
High resolution readability										
FKT 6K0.02L	6	0,02	-	-	0,2	880,-	-	-	963-128	88,-
FKT 16K0.05L	16	0,05	-	-	0,5	880,-	-	-	963-128	88,-
FKT 36K0.1L	36	0,1	-	-	1	880,-	-	-	963-128	88,-
FKT 65K0.2L	65	0,2	-	-	2	880,-	-	-	963-129	105,-
Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.										
Verification at the factory, we need to know the full address of the location of use.										
FKT 6K1LM	6	1	1	20	10	880,-	965-228	70,-	963-128	88,-
FKT 12K2LM	12	2	2	40	20	880,-	965-228	70,-	963-128	88,-
FKT 30K5LM	30	5	5	100	50	880,-	965-228	70,-	963-128	88,-
FKT 60K10LM	60	10	10	200	100	880,-	965-229	93,-	963-129	105,-

ONLY WHILE STOCKS LAST!

Price reduction



KERN **easytouch** bench scale – the intuitive way to weigh



Convenient piece-counting function Komfortable Stückzahl-Funktion

Standard use: Direct input of the reference quantity or the reference weight
 Professional use: Recall of items to be counted from the database with all relevant additional data such as piece weight, name, reference quantity, tare container weight, tolerances. Which means a super-fast sequence when counting: select item – load – count – done!



Fill-to-target function

Programmable target quantity or target weight. A signal will be displayed when the target value is reached



Convenient weighing with tolerance range (Checkweighing)

Standard use: Direct input of the tolerances in grams or percent
 Professional use: Recall of items from the database with all relevant additional data such as piece weight, name, reference quantity, tare container weight, tolerances. That leads to a super-fast sequence when portioning, dosing or sorting: Select item – load – check – done!



Features

- High-quality, rapid processors allow efficient, delay-free operation
- Thanks to the **intuitive touchscreen concept** and multi-lingual operation (DE, GB, FR, IT, ES, PT, NL, FI, PL, RUS, SE, CZ) the balance can be used easily by inexperienced users, straightaway. For the professional user, the balance provides convenient functions which permit a high level of individualisation and which thereby make operation significantly easier and quicker.
- Through a **large memory (256 MB)**, e.g. for item master data, weighing data etc. the balance is the ideal solution when working with a large range of goods or where there are high requirements for record keeping and documentation
- **1** Thanks to the high level of **connectivity** it is easy to connect USB sticks for data storage or data transfer to PCs, scales and networks using RS-232 or USB. This means that this range can be used for many different functions in Industry 4.0 applications
- **Convenient recipe weighing**
Standard use: Direct input of the recipe ingredients in grams or percent
Professional use: Recall of items from the database with all relevant additional data such as target value, tolerances, name, tare container weight. That leads to a super-fast sequence when recipe-weighing: select recipe – weigh – done!
A graphic signal helps when dosing individual recipe ingredients. An information column on the lefthand edge of the screen allows you to see at a glance which ingredients have already been weighed (proportionately).

Recipes can be easily transferred via USB stick between the KERN touchscreen scales GAT or IFT

- **Take-Out function:** allows you to remove the same quantity every time, e.g. when portioning in cafeterias or when picking small parts. A colour bar graph shows whether the quantity removed is below the limit or within the specified tolerances (blue) or is above the limit (red)
- **Classifying:** Similar objects are automatically classified according to their weight into predetermined classes.
- **AUTO-PRINT function:** Automatic printing of the weighing when the weighing value remains unchanged. The print function as well as the content of the print-out can be adjusted individually depending on the operating mode
- **Searching and remote control of the balance** using external control devices or computers with the KERN Communication Protocol (KCP). KCP is a standardised interface command structure for KERN balances and other instruments which allows you to recall and manage all relevant parameters and device functions. You can therefore simply connect KERN devices with KCP to computers, industrial control systems and other digital systems. In a large number of cases the KCP is compatible with the MT-SICS protocol. Only possible through data interface RS-232, other interfaces on request
- **2** The battery compartment of the device can be opened easily, which means it is possible to change the batteries without having to use any tools or break any verification seal labels etc.

Technical data

- Large backlit LCD touch display, digit height 12 mm, screen diagonal 7" (155×85 mm)
- Dimensions weighing surface, stainless steel, W×D 300×225 mm
- Overall dimensions W×D×H 315×350×120 mm

Accessories

- **Rechargeable battery pack internal**, operating time up to 40 h with backlight, charging time approx. 12 h, KERN GAB-A04, **€ 40,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD



OPTION



Model	Weighing capacity	Readability	Reproducibility	Linearity	Smallest part weight [Normal] g/piece	Price excl. of VAT ex works €	Option	
	[Max] kg	[d] g	g	g	2		DAKkS Calibr. Certificate	
							DAKkS KERN	€
KERN								
GAT 6K-4	6	0,2	0,4	± 0,6	2	750,-	963-128	88,-
GAT 10K-4	15	0,5	0,5	± 1,5	5	750,-	963-128	88,-
GAT 30K-3	30	1	2	± 3	10	750,-	963-128	88,-

1 ONLY WHILE STOCKS LAST!

Stainless steel/Protection against dust and water splashes IP65...68

KERN scales – not scared of water at all!

Scales used in industrial situations or the food industry are often exposed to extreme stresses and strains. Water, oils, fats, varnish, dust, dirt, flour, small parts etc. are all natural enemies of a scale. In industries such as the chemical, pharmaceutical, food, manufacturing industries, etc. scales must be able to cope with these stresses without this affecting their performance.





For use in such harsh environmental conditions, levels of protection are defined, which specify which environmental stresses a system can be exposed to with respect to the level of contact, foreign object and moisture protection, without damage being caused to the unit. These levels of protection are described in the following standard: “DIN EN 60529: protection types through housing” The IP code usually consists of a two-digit combination, which gives the relevant level of protection, e.g. IP68.

The first digit specifies the protection level for contact protection and protection against foreign bodies (dust protection), the second digit is for the water and moisture protection (protection against splashes of water).

All stainless steel components of the IP65...68 protected KERN stainless steel scales are made of corrosion-resistant steel of quality class 1.4301 (DIN X5CrNi18-10). The material properties support you in your ► **HACCP**-compliant quality system.

► See the glossary on page 223–225

Extract from the standard: “DIN EN 60529: protection types through housing”:

KERN-Pictogram	1. digit	Specification	2. digit	Specification
	6	Dustproof	5	Protection against jets of water (nozzle) from any angle (cleaning with a damp cloth)
	6	Dustproof	6	Protection against powerful jets of water
	6	Dustproof	7	Protection against temporary immersion
	6	Dustproof	8	Protection against continuous immersion (designed for continuous use in wet areas, submersion is possible depending on the pressure (water depth))



Lisa Haib

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







only €
265,-

- ▷ Now with innovative checkweighing display
- ▷ With EC-Type Approval [M]
- ▷ Large stainless steel-weighing plate
- ▷ High mobility: thanks to compact, flat construction and low weight, it is suitable for use in several locations (kitchen, cafeteria, warehouse etc.)

HIGHLIGHT

Quick-Finder Stainless steel/Protection against dust and water splashes IP65...68

Readability [d] g	Weighing capacity [Max] kg	Model KERN	Price excl. of VAT ex works €	Page									
For an explanation on the pictos, see front flap													
0,1	0,5	FOB 500-1S	79,-	64	1		●				●		
0,1	0,5	FOB 0.5K-4NS	105,-	65	1		●				●		
0,2	1,5	WTB 1K-4N	215,-	69	1		●		●		●		○
0,2	1,5	FFN 1K-4N	260,-	70	1		●				●		●
0,2	3	FOB 3K-4NL	265,-	67	1		●				●		
0,5	1,5	FOB 1.5K0.5	180,-	66	1		●				●		○
0,5	1,5	FOB 1K-4LM	265,-	66	1	○	●				●		
0,5	1,5	WTB 1K-4NM	240,-	69	1	○	●		●		●		○
0,5	1,5	FFN 1K-4NM	285,-	70	1	○	●				●		●
0,5	3	WTB 3K-4N	215,-	69	1		●		●		●		○
0,5	3	FFN 3K0.5IPN	255,-	70	1		●				●		●
0,5	3	FXN 3K-4N	305,-	71	1	○	●			●	●		
0,5 1	5 7,5	FOB 7K-4NL	230,-	67	1		●				●		
1	3	FOB 3K1	180,-	66	1		●				●		○
1	3	FOB 3K-3LM	265,-	66	1	○	●				●		
1	3	WTB 3K-3NM	240,-	69	1	○	●		●		●		○
1	3	FFN 3K1IPM	285,-	70	1	○	●				●		●
1	3	FXN 3K-3M	370,-	71	1	○	●			●	●		
1	5	FOB 5K1S	79,-	64	1		●				●		
1	5	FOB 5K-3NS	105,-	65	1		●				●		
1	6	WTB 6K-3N	215,-	69	1		●		●		●		○
1	6	FFN 6K1IPN	255,-	70	1		●				●		●
1	6	FXN 6K-3N	305,-	71	1	○	●			●	●		
1	10	SFB 10K1HIP	670,-	72	1		●	○		●	●		●
1 2	3 6	SXS 6K-3M	670,-	73	1	○	●	○		●	●		○
1 2	8 15	FOB 10K-3NL	230,-	67	1		●				●		
2	6	FOB 6K2	180,-	66	1		●				●		○
2	6	FOB 6K-3LM	265,-	66	1	○	●				●		
2	6	WTB 6K-3NM	240,-	69	1	○	●		●		●		○
2	6	FFN 6K2IPM	285,-	70	1	○	●				●		●
2	6	FXN 6K-3M	370,-	71	1	○	●			●	●		
2	15	WTB 10K-3N	215,-	69	1		●		●		●		○
2	15	FFN 15K2IPN	255,-	70	1		●				●		●
2	15	FXN 10K-3N	305,-	71	1	○	●			●	●		
2	20	SFB 20K2HIP	670,-	72	1		●	○		●	●		●
2 5	6 15	SXS 10K-3M	670,-	73	1	○	●	○		●	●		○
2 5	6 15	SXS 10K-3LM	830,-	73	1	○	●	○		●	●		○
2 5	16 30	FOB 30K-3NL	230,-	67	1		●				●		
5	15	FOB 10K-3LM	265,-	66	1	○	●				●		
5	15	WTB 10K-3NM	240,-	69	1	○	●		●		●		○
5	15	FFN 15K5IPM	285,-	70	1	○	●				●		●
5	15	FXN 10K-3M	370,-	71	1	○	●			●	●		
5	15	SFB 15K5HIPM	680,-	72	1	○	●	○		●	●		●
5	25	FFN 25K5IPN	255,-	70	1		●				●		●
5	30	WTB 30K-3N	215,-	69	1		●		●		●		○
5	30	FXN 30K-3N	305,-	71	1	○	●			●	●		
5	50	SFB 50K5HIP	670,-	72	1		●	○		●	●		●
5	50	SFB 50K5LHIP	740,-	72	1		●	○		●	●		●
5	50	SFB 50K-3XL	870,-	72	1		●	○		●	●		●
5 10	15 30	SXS 30K-2M	820,-	73	1	○	●	○		●	●		○
5 10	15 30	SXS 30K-2LM	1110,-	73	1	○	●	○		●	●		○
10	25	FFN 25K10IPM	285,-	70	1	○	●				●		●
10	30	WTB 30K-2NM	240,-	69	1	○	●		●		●		○
10	30	FXN 30K-2M	370,-	71	1	○	●			●	●		
10	30	SFB 30K10HIPM	690,-	72	1	○	●	○		●	●		●
10	100	SFB 100K10HIP	730,-	72	1		●	○		●	●		●
10	100	SFB 100K-2XL	1130,-	72	1		●	○		●	●		●
10 20	30 60	SXS 60K-2M	820,-	73	1	○	●	○		●	●		○
10 20	30 60	SXS 60K-2LM	1110,-	73	1	○	●	○		●	●		○
20	60	SFB 60K-2XLM	930,-	72	1	○	●	○		●	●		●
20	200	SFB 200K-2XL	850,-	72	1		●	○		●	●		●
20 50	60 150	SXS 100K-2M	1110,-	73	1	○	●	○		●	●		○
20 50	60 150	SXS 100K-2LM	1370,-	73	2	○	●	○		●	●		○
50	150	SFB 100K-2HM	760,-	72	1	○	●	○		●	●		●
50	150	SFB 100K-2XLM	1150,-	72	1	○	●	○		●	●		●
50 100	150 300	SXS 300K-2M	1370,-	73	2	○	●	○		●	●		○

News 2020

● = standard ○ = option



Super compact stainless steel scale for weighing, checking and portioning in the smallest of spaces

Features

- **Stainless steel design** of the housing and weighing plate. Its smooth surfaces make it simple to clean
- **High mobility:** thanks to battery operation, compact, lightweight construction, it is suitable for the use in several locations (kitchen, sales office, cafeteria, Food industry-Laboratory etc.)
- **Secure and non-slip positioning** with rubber feet
- Your support in a **HACCP**-compliant quality system
- **Particularly flat design**
- **Protective working cover** included with delivery

Technical data

- Large LCD display, digit height 20 mm
- Dimensions weighing surface, stainless steel, W×D 125×155 mm
- Overall dimensions W×D×H 175×155×40 mm
- Ready for use: Battery included, 9 V-Block, operating time up to 20 h
- Net weight approx. 0,7 kg
- Permissible ambient temperature 10 °C/40 °C

Accessories

- **Protective working cover**, scope of delivery: 5 items, KERN FOB-A11S05, **€ 40,-**
- **Mains adapter external**, KERN FOB-A09, **€ 35,-**

STANDARD

CAL EXT

UNIT

INOX

BATT

DMS

1 DAY

OPTION

230 V

DAkkS
+3 DAYS

Model	Weighing capacity	Readability	Weighing plate W×D	Price excl. of VAT ex works €	Options	
					DAkkS Calibr. Certificate	
KERN	[Max] kg	[d] g	mm		DAkkS KERN	€
FOB 500-1S	0,5	0,1	155×125	79,-	963-127	72,-
FOB 5K1S	5	1	155×125	79,-	963-127	72,-



Super compact stainless steel balance with protection type IP65 against dust and water splashes

Features

- **Stainless steel design** of the housing and weighing plate. Its smooth surfaces make it simple to clean
- **High mobility:** thanks to battery operation, compact, lightweight construction, it is suitable for the use in several locations (kitchen, sales office, cafeteria, Food industry-Laboratory etc.)
- **Secure and non-slip positioning** with rubber feet
- **Particularly flat design**
- Your support in a **HACCP**-compliant quality system
- **Protection against dust and water splashes IP65** (only when using battery)
- **Protective working cover** included with delivery

Technical data

- Large LCD display, digit height 20 mm
- Dimensions weighing surface, stainless steel, W×D 150×120 mm
- Overall dimensions W×D×H 170×150×40 mm
- Ready for use: Batteries included, 9 V-Block, operating time up to 24 hours
- Net weight approx. 0,8 kg
- Permissible ambient temperature 10 °C/35 °C

Accessories

- **Protective working cover**, scope of delivery: 5 items, KERN FOB-A12S05, **€ 40,-**
- **Mains adapter external**, KERN FOB-A09, **€ 35,-**

STANDARD

CAL EXT

UNIT

IP 65

INOX

BATT

DMS

1 DAY

OPTION

230 V

DAKKS
+3 DAYS

Model	Weighing capacity	Readability	Weighing plate W×D	Price excl. of VAT ex works €	Options	
					DAkkS Calibr. Certificate	
KERN	[Max] kg	[d] g	mm		DAkkS KERN	€
FOB 0.5K-4NS	0,5	0,1	150×120	105,-	963-127	72,-
FOB 5K-3NS	5	1	150×120	105,-	963-127	72,-



Compact stainless steel bench scale with EC type approval [M] and special checkweighing display for even more efficient working

Features

- **1 Innovative weighing with tolerance range (Checkweighing):** The colour of the display changes depending on the weight (too light/ok/too heavy) and is an aid to help with portioning, dosing and grading
- **Stainless steel design** of the housing and weighing plate. Its smooth surfaces make it simple to clean
- **High mobility:** thanks to battery operation, compact, lightweight construction, it is suitable for the use in several locations (kitchen, sales office, cafeteria, Food industry-Laboratory etc.)
- Your support in a **HACCP**-compliant quality system
- **Secure and non-slip positioning** with rubber feet
- **Increased protection against humidity** through waterproof silicone sealing of the load cell, electronics and soldering joints
- **Check the weighing capacity which is in use** at the press of a button (net/gross weight)
- **Protective working cover** included with delivery

Technical data

- Large backlit LCD display, digit height 20 mm
- Overall dimensions W×D×H 240×180×60 mm
- Net weight approx. 2,0 kg
- Permissible ambient temperature 5 °C/35 °C

Accessories

- **2 Protective working cover**, scope of delivery: 5 items, KERN FOB-A05S05, **€ 40,-**
- **Rechargeable battery pack internal**, operating time up to 24 h without backlight, charging time approx. 8 h, KERN FOB-A07, **€ 45,-**
- **3 Tare pan made of stainless steel**, ideal for weighing loose small parts, fruit, vegetables etc., W×D×H 370×240×20 mm, KERN RFS-A02, **€ 55,-**

STANDARD

CAL EXT

TOL

INOX

230 V

DMS

1 DAY

OPTION

ACCU

DAkkS +3 DAYS

Model	Weighing capacity [Max] kg	Readability [d] g	Weighing plate mm	Price excl. of VAT ex works €	Option	
					DAkkS Calibr. Certificate	
					DAkkS KERN	€
KERN FOB 1.5K0.5	1,5	0,5	175×165	180,-	963-127	72,-
FOB 3K1	3	1	175×165	180,-	963-127	72,-
FOB 6K2	6	2	175×165	180,-	963-128	88,-



Stainless steel bench scale with large weighing ranges and IP67 protection against dust and splash water

Features

- **Stainless steel design** of the housing and weighing plate. Its smooth surfaces make it simple to clean
- **1 Suitable for the ever-increasing hygienic requirements** in the food industry
- Your support in a **HACCP**-compliant quality system
- **Protection against dust and water splashes IP67** (only when using battery)
- **High mobility:** thanks to battery operation, compact, lightweight construction, it is suitable for the use in several locations (kitchen, sales office, cafeteria, Food industry-Laboratory etc.)
- **Protective working cover** included with delivery

Technical data

- Large backlit LCD display, digit height 25 mm, stainless steel
- Overall dimensions W×D×H 285×255×90 mm
- **Ready for use:** Batteries included, 4×1.5 V AA, operating time up to 48 h
- Net weight approx. 3,8 kg
- Permissible ambient temperature 5 °C/35 °C

Accessories

- **2 Mains adapter external**, not included, not suitable for model FOB 3K-4NL, KERN FOB-A01, **€ 35,-**
- **Protective working cover**, scope of delivery: 5 items, KERN FOB-A13S05, **€ 40,-**
- **3 Tare pan made of stainless steel**, ideal for weighing loose small parts, fruit, vegetables etc., W×D×H 370×240×20 mm, KERN RFS-A02, **€ 55,-**

STANDARD

CAL EXT

UNIT

IP 67

INOX

BATT

DMS

1 DAY

OPTION

230 V

DAKKS

+3 DAYS

Model	Weighing capacity [Max] kg	Readability [d] g	Weighing plate W×D mm	Price excl. of VAT ex works €	Option	
					DAKKS Calibr. Certificate	
KERN					DAKKS KERN	€
FOB 3K-4NL	3	0,2	252×200	265,-	963-127	72,-
Dual-range balance switches automatically to the next largest weighing capacity [Max] and readability [d]						
FOB 7K-4NL	5 7,5	0,5 1	252×200	230,-	963-128	88,-
FOB 10K-3NL	8 15	1 2	252×200	230,-	963-128	88,-
FOB 30K-3NL	16 30	2 5	252×200	230,-	963-128	88,-

New model



Compact stainless steel bench scale with EC type approval [M] and special checkweighing display for even more efficient working

Features

- **1 Innovative weighing with tolerance range (Checkweighing):** The colour of the display changes depending on the weight (too light/ok/too heavy) and is an aid to help with portioning, dosing and grading
- **Stainless steel design** of the housing and weighing plate. Its smooth surfaces make it simple to clean
- **2 Suitable for the ever-increasing hygienic requirements** in the food industry
- **High mobility:** thanks to battery operation, compact, lightweight construction, it is suitable for the use in several locations (kitchen, sales office, cafeteria, Food industry-Laboratory etc.)
- Your support in a **HACCP-compliant** quality system
- **Protection against dust and water splashes IP67** (only when using battery)
- **Secure and non-slip positioning** with rubber feet

- **Increased protection against humidity** through waterproof silicone sealing of the load cell, electronics and soldering joints
- **Check the weighing capacity which is in use** at the press of a button (net/gross weight)
- **Mains adapter** included with delivery
- **Protective working cover** included with delivery

Technical data

- Large backlit LCD display, digit height 25 mm
- Overall dimensions W×D×H 256×285×100 mm
- KERN FOB-LM: Optional battery operation, 4×1.5 V AA, standard, operating time up to 48 h, AUTO-OFF function to preserve the battery
- Net weight approx. 3,8 kg
- Permissible ambient temperature 5 °C/35 °C

Accessories

- **3 Protective working cover**, scope of delivery: 5 items, KERN FOB-A13S05, € 40,-
- **Mains adapter external**, KERN FOB-A01, € 35,-
- **4 Tare pan made of stainless steel**, ideal for weighing loose small parts, fruit, vegetables etc., W×D×H 370×240×20 mm, KERN RFS-A02, € 55,-

STANDARD



OPTION



FACTORY



Model	Weighing capacity [Max] kg	Readability [d] g	Verification value [e] g	Minimal load [Min] g	Weighing plate mm	Price excl. of VAT ex works €	Option			
							Verification		DAkkS Calibr. Certificate	
							M KERN	€	DAkkS KERN	€
KERN										
FOB 1K-4LM	1,5	0,5	0,5	10	248×198	265,-	965-227	55,-	963-127	72,-
FOB 3K-3LM	3	1	1	20	248×198	265,-	965-227	55,-	963-127	72,-
FOB 6K-3LM	6	2	2	40	248×198	265,-	965-228	70,-	963-128	88,-
FOB 10K-3LM	15	5	5	100	248×198	265,-	965-228	70,-	963-128	88,-

Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.

Verification at the factory, we need to know the full address of the location of use.



Ideal for food industry, thanks to its IP65 protection and special checkweighing display, also with EC type approval [M]

Features

- **Suitable for the ever-increasing hygienic requirements** in the food industry
- Your support in a **HACCP-compliant** quality system
- **1 Protection against dust and water splashes IP65** (only when using rechargeable battery pack)
- **Very fast display:** steady weight values within 2 s
- **2 Second display** on the rear of the balance
- **Compact size**, practical for small spaces
- **3 Innovative weighing with tolerance range (Checkweighing):** The colour of the display changes depending on the weight (too light/ok/too heavy) and is an aid to help with portioning, dosing and grading

- **High mobility:** thanks to rechargeable battery operation (optional), compact, lightweight construction, it is suitable for the use in several locations
- **Recessed grips on the underside** of the scale for easy transportation
- **Protective working cover** included with delivery

Technical data

- Large backlit LCD display, digit height 25 mm
- Weighing plate dimensions, stainless steel, W×D 260×200 mm
- Overall dimensions W×D×H 285×315×128 mm
- Net weight approx. 3,2 kg
- Permissible ambient temperature -10 °C/40 °C

Accessories

- **Protective working cover**, scope of delivery: 5 items, KERN RFB-A01S05, **€ 40,-**
- **Rechargeable battery pack internal**, operating time up to 50 h without backlight, charging time approx. 12 h, KERN WTB-A01N, **€ 35,-**
- **4 Tare pan made of stainless steel**, ideal for weighing loose small parts, fruit, vegetables etc., W×D×H 370×240×20 mm, KERN RFS-A02, **€ 55,-**

STANDARD



OPTION



FACTORY



Model	Weighing capacity [Max] kg	Readability [d] g	Verification value [e] g	Minimal load [Min] g	Price excl. of VAT ex works €	Option			
						Verification		DAkkS Calibr. Certificate	
						KERN	€	DAkkS KERN	€
KERN									
WTB 1K-4N	1,5	0,2	-	-	215,-	-	-	963-127	72,-
WTB 3K-4N	3	0,5	-	-	215,-	-	-	963-127	72,-
WTB 6K-3N	6	1	-	-	215,-	-	-	963-128	88,-
WTB 10K-3N	15	2	-	-	215,-	-	-	963-128	88,-
WTB 30K-3N	30	5	-	-	215,-	-	-	963-128	88,-
Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.									
Verification at the factory, we need to know the full address of the location of use.									
WTB 1K-4NM	1,5	0,5	0,5	10	240,-	965-227	55,-	963-127	72,-
WTB 3K-3NM	3	1	1	20	240,-	965-227	55,-	963-127	72,-
WTB 6K-3NM	6	2	2	40	240,-	965-228	70,-	963-128	88,-
WTB 10K-3NM	15	5	5	100	240,-	965-228	70,-	963-128	88,-
WTB 30K-2NM	30	10	10	200	240,-	965-228	70,-	963-128	88,-

Price reduction



All-round bench scale, protected by stainless steel and protection type IP65 also with EC type approval [M]

Features

- **1 Ideal for the increased hygienic requirements** in the food, pharmaceutical and chemical industries
- Your support in a **HACCP**-compliant quality system
- **2 Ideal for the robust industrial applications**
- **3 Protection against dust and water splashes IP65** (only when using rechargeable battery pack)
- **High mobility:** thanks to battery operation, compact, lightweight construction, it is suitable for the use in several locations (kitchen, sales office, cafeteria, Food industry-Laboratory etc.)
- **Stainless steel design** of the housing and weighing plate. Its smooth surfaces make it simple to clean

- **Recessed grips on the underside** of the scale for easy transportation

Technical data

- Large backlit LCD display, digit height 25 mm
- Dimensions weighing surface, stainless steel, W×D 230×190 mm
- Overall dimensions W×D×H 230×300×130 mm
- Rechargeable battery pack internal, operating time up to 50 h without backlight, charging time approx. 12 h
- Net weight approx. 4,0 kg
- Permissible ambient temperature
KERN FFN-N: 0 °C/40 °C
KERN FFN-NM: -10 °C/40 °C

Accessories

- **Tare pan made of stainless steel**, ideal for weighing loose small parts, fruit, vegetables etc., W×D×H 370×240×20 mm, KERN RFS-A02, € 55,-

STANDARD



OPTION



FACTORY



Model	Weighing capacity [Max] kg	Readability [d] g	Verification value [e] g	Minimal load [Min] g	Price excl. of VAT ex works €	Option			
						Verification		DAkkS Calibr. Certificate	
KERN						M KERN	€	DAkkS KERN	€
FFN 1K-4N	1,5	0,2	-	-	260,-	-	-	963-127	72,-
FFN 3K0.5IPN	3	0,5	-	-	255,-	-	-	963-127	72,-
FFN 6K1IPN	6	1	-	-	255,-	-	-	963-128	88,-
FFN 15K2IPN	15	2	-	-	255,-	-	-	963-128	88,-
FFN 25K5IPN	25	5	-	-	255,-	-	-	963-128	88,-
Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible. Verification at the factory, we need to know the full address of the location of use.									
FFN 1K-4NM	1,5	0,5	0,5	10	285,-	965-227	55,-	963-127	72,-
FFN 3K1IPM	3	1	1	20	285,-	965-227	55,-	963-127	72,-
FFN 6K2IPM	6	2	2	40	285,-	965-228	70,-	963-128	88,-
FFN 15K5IPM	15	5	5	100	285,-	965-228	70,-	963-128	88,-
FFN 25K10IPM	25	10	10	200	285,-	965-228	70,-	963-128	88,-



Robust, space-saving bench scale, protected by stainless steel and IP68 rating – with EC type approval [M]

Features

- **Suitable for the ever-increasing hygienic requirements** in the food industry
- Your support in a **HACCP**-compliant quality system
- **Ideal for the robust industrial applications** protection against dust and water splashes **IP68**, ideal for harsh ambient conditions. Submersion in water actually possible
- **Stainless steel design** of the housing and weighing plate. Its smooth surfaces make it simple to clean
- **Very fast display:** steady weight values within 2 s
- **High mobility:** thanks to battery operation, compact, lightweight construction, it is suitable for the use in several locations (kitchen, sales office, cafeteria, Food industry-Laboratory etc.)

- **1 Recessed grips on the underside** of the scale for easy transportation
- **Weighing with tolerance range (check-weighing):** a visual and audible signal helps with portioning, dispensing or grading

Technical data

- Large backlit LCD display (FXN-M: green), digit height 25 mm
- Dimensions weighing surface, stainless steel, WxD 236x195 mm
- Overall dimensions WxDxH 240x280x120 mm
- Ready for use: Batteries included, 4x1.5 V Size D, operating time without backlight FXN-N up to 250 h, FXN-M up to 625 h, AUTO-OFF function to preserve the battery
- Net weight approx. 3,2 kg
- Permissible ambient temperature -10 °C/40 °C

Accessories

- **2 Tare pan made of stainless steel**, ideal for weighing loose small parts, fruit, vegetables etc., WxDxH 370x240x20 mm, KERN RFS-A02, € 55,-

Note: Official verification duty for commercial trade

STANDARD

CAL EXT

PCS

UNIT

TOL

IP 68

INOX

BATT

DMS

1 DAY

OPTION

DAkkS

+3 DAYS

FACTORY

M

+3 DAYS

Model	Weighing capacity [Max] kg	Readability [d] g	Verification value [e] g	Minimal load [Min] g	Smallest part weight [Normal] g/piece	Price excl. of VAT ex works €	Option			
							Verification		DAkkS Calibr. Certificate	
							KERN	€	DAkkS KERN	€
KERN										
FXN 3K-4N	3	0,5	-	-	5	305,-	-	-	963-127	72,-
FXN 6K-3N	6	1	-	-	10	305,-	-	-	963-128	88,-
FXN 10K-3N	15	2	-	-	20	305,-	-	-	963-128	88,-
FXN 30K-3N	30	5	-	-	50	305,-	-	-	963-128	88,-
Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible. Verification at the factory, we need to know the full address of the location of use.										
FXN 3K-3M	3	1	1	20	5	370,-	965-227	55,-	963-127	72,-
FXN 6K-3M	6	2	2	40	10	370,-	965-228	70,-	963-128	88,-
FXN 10K-3M	15	5	5	100	20	370,-	965-228	70,-	963-128	88,-
FXN 30K-2M	30	10	10	200	50	370,-	965-228	70,-	963-128	88,-



Stainless steel platform scales with IP65/67 protection, also with XL platform or EC type approval [M]

Features

- **Ideal for the robust industrial applications**
- **1 Platform:** made entirely of stainless steel, silicone-coated stainless steel load cell, protection against dust and water splashes IP67
- **2 Display device:** stainless steel, protection against dust and water splashes IP65 (only when using rechargeable battery pack)
- **3 SFB-H: Column,** standard, for models with weighing plate size 300×240 mm: Column height approx. 200 mm
400×300 mm: Column height approx. 400 mm

Technical data

- Large backlit LCD display, digit height 52 mm
- Dimensions of display device W×D×H 266×165×96 mm
- Cable length of display device approx. 3 m
- Rechargeable battery pack internal, operating time up to 35 h without backlight, charging time approx. 12 h
- Permissible ambient temperature -10 °C/40 °C

Accessories

- **Data interface RS-232,** interface cable included, approx. 1,5 m, must be ordered at purchase, KERN KFN-A01, **€ 95,-**
- **Stand** to be screwed onto the platform, height of stand approx. 600 mm, KERN SFB-A01, **€ 80,-**
- **4 Stand** to elevate display device, height of stand approx. 800 mm, KERN BFS-A07, **€ 120,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD



OPTION



FACTORY



SFB-M/
SFB-HM

Model	Weighing capacity [Max] kg	Readability [d] g	Verification value [e] g	Minimal load [Min] g	Net weight approx. kg	Weighing plate W×D	Price excl. of VAT ex works €	Option			
								Verification		DAkkS Calibr. Certificate	
KERN								MID KERN	€	DAkkS KERN	€
SFB 50K-3XL	50	5	-	-	14	500×400	870,-	-	-	963-128	88,-
SFB 100K-2L	100	10	-	-	14	500×400	910,-	-	-	963-129	105,-
SFB 100K-2XL	100	10	-	-	26	650×500	1130,-	-	-	963-129	105,-
SFB 200K-2XL	200	20	-	-	26	650×500	850,-	-	-	963-129	105,-
with elevated display											
SFB 10K1HIP	10	1	-	-	8	300×240	670,-	-	-	963-128	88,-
SFB 20K2HIP	20	2	2	-	8	300×240	670,-	-	-	963-128	88,-
SFB 50K5HIP	50	5	5	-	8	300×240	670,-	-	-	963-128	88,-
SFB 50K5LHIP	50	5	5	-	8	400×300	740,-	-	-	963-128	88,-
SFB 100K10HIP	100	10	-	-	14	400×300	730,-	-	-	963-129	105,-
Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible. Verification at the factory, we need to know the full address of the location of use.											
SFB 60K-2XLM	60	20	20	400	16	500×400	930,-	965-229	93,-	963-129	105,-
SFB 100K-2XLM	150	50	50	1000	24	650×500	1150,-	965-229	93,-	963-129	105,-
SFB 300K-1LM *	300	100	100	2000	26	650×500	860,-	965-229	93,-	963-129	105,-
with elevated display											
SFB 15K5HIPM	15	5	5	100	8	300×240	680,-	965-228	70,-	963-128	88,-
SFB 30K10HIPM	30	10	10	200	8	300×240	690,-	965-228	70,-	963-128	88,-
SFB 60K20LHIPM	60	20	20	400	14	400×300	740,-	965-229	93,-	963-129	105,-
SFB 100K-2HM	150	50	50	1000	13	400×300	760,-	965-229	93,-	963-129	105,-

* ONLY WHILE STOCKS LAST

Price reduction



Stainless steel platform scale with high type of protection IP68 and EC type approval [M]

Features

- **Ideal for the robust industrial applications**
- **Platform:** made entirely of stainless steel, silicone-coated stainless steel load cell, protection against dust and water splashes IP68. Substruction in wing design, extremely resistant to bending. Earthed weighing plate, to reduce static charge
- **Display device:** stainless steel, protection against dust and water splashes IP68, integrated power supply
- **Suitable for the ever-increasing hygienic requirements** in the food industry
- **Wall mount** for display device, standard
- **Superior display size:** digit height 55 mm, bright backlight for easy reading of weighing results, even in poor lighting conditions
- Easy-to use KERN menu structure with printout of weighing results which can be intuitively adapted

- Thanks to **interfaces** such as RS-232, RS-485 and Bluetooth (optional) the scale can easily be connected to existing networks and facilitates the data exchange between the scale and printer

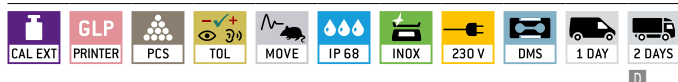
Technical data

- Large backlit LCD display, digit height 55 mm
- Weighing plate dimensions, stainless steel W×D×H
 - A 300×240×86 mm
 - B 400×300×89 mm
 - C 500×400×123 mm
 - D 650×500×133,5 mm
- Dimensions of display device W×D×H 232×170×80 mm
- Cable length of display device approx. 2,5 m
- Permissible ambient temperature -10 °C/40 °C

Accessories

- **Stand** to elevate display device, for models with weighing plate size
 - A–D Height of stand approx. 200 mm, KERN IXS-A02, **€ 70,-**
 - B–D Height of stand approx. 400 mm, KERN IXS-A03, **€ 75,-**
 - C–D Height of stand approx. 600 mm, KERN IXS-A04, **€ 85,-**
- **Rechargeable battery pack internal**, operating time up to 80 h without backlight, charging time approx. 12 h, must be ordered at purchase, Factory Option, KERN GAB-A04, **€ 40,-**
- **Data interface RS-232**, interface cable included, approx. 1,5 m, must be ordered at purchase, KERN KXS-A04, **€ 100,-**
- **Data interface RS-485**, must be ordered at purchase, KERN KXS-A01, **€ 145,-**
- **Foot switch**, must be ordered at purchase, KERN KXS-A03, **€ 130,-**
- **Bluetooth data interface** for wireless data transfer to PC or tablets, must be ordered at purchase, not in combination with verification, KERN KXS-A02, **€ 170,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

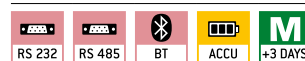
STANDARD



OPTION



FACTORY



Model	Weighing capacity [Max] kg	Readability [d] g	Verification value [e] g	Minimal load [Min] g	Linearity g	Weighing plate	Price excl. of VAT ex works €	Option			
								Verification	DAKKS Calibr.	Certificate	
KERN								M	KERN	DAKKS	€
SXS 6K-3M	3 6	1 2	1 2	20 40	± 1 2	A	670,-	965-228	70,-	963-128	88,-
SXS 10K-3M	6 15	2 5	2 5	40 100	± 2 5	A	670,-	965-228	70,-	963-128	88,-
SXS 10K-3LM	6 15	2 5	2 5	40 100	± 2 5	B	830,-	965-228	70,-	963-128	88,-
SXS 30K-2M	15 30	5 10	5 10	100 200	± 5 10	B	820,-	965-228	70,-	963-128	88,-
SXS 30K-2LM	15 30	5 10	5 10	100 200	± 5 10	C	1110,-	965-228	70,-	963-128	88,-
SXS 60K-2M	30 60	10 20	10 20	200 400	± 10 20	B	820,-	965-229	93,-	963-129	105,-
SXS 60K-2LM	30 60	10 20	10 20	200 400	± 10 20	C	1110,-	965-229	93,-	963-129	105,-
SXS 100K-2M	60 150	20 50	20 50	400 1000	± 20 50	C	1110,-	965-229	93,-	963-129	105,-
SXS 100K-2LM	60 150	20 50	20 50	400 1000	± 20 50	D	1370,-	965-229	93,-	963-129	105,-
SXS 300K-2M	150 300	50 100	50 100	1000 2000	± 50 100	D	1370,-	965-229	93,-	963-129	105,-

Dual-range balance switches automatically to the next largest weighing capacity [Max] and readability [d]

Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.

Verification at the factory, we need to know the full address of the location of use.

* Either RS-232 or RS-485 can be installed and used

Price computing scales

Price computing scales are used wherever the price of goods is calculated dependent on the weight of the goods. These scales are subject to obligatory verification (► **Verification**) in accordance with European Directive 2014/31/EU. Usually, are verification class **MIII** scales

KERN mobile retail scales are compact in size and therefore save space on the sales counter. Thanks to the simple menu structure they are easy to use – saving time and money. Fitted with mains or rechargeable batteries as standard, price computing scales can be used in retail shops as well as on mobile sales stalls.

All price computing scales from KERN have three displays showing you all important information at a glance:







- Weight display in kg (verifiable)
- Unit price in €/kg or €/100 g
- Total price in €

NOTE: The KERN RFE range also displays the TARE or PRE-TARE value, which enables this value to be stored in a legally binding way in accordance with the Weights and Measures Act.

Even the KERN entry level retail scales have direct access keys for memories (► **PLU**). The sales item with the relevant price can be stored against these PLU. In this way, frequently used sales items can be called up at lightning speed. This accelerates customer service and reduces waiting times.

► See the glossary on page 223–225

Quick-Finder Price computing scales

Readability [d] g	Weighing capacity [Max] kg	Model KERN	Price excl. of VAT ex works €	Page						
For an explanation on the pictos, see front flap										
1 2	3 6	RIB 6K-3M	205,-	75	1	○	●		●	○
1 2	3 6	RIB 6K-3HM	235,-	75	1	○	●		●	○
1 2	3 6	RPB 6K1DM	205,-	76	1	○	●	●	●	○
1 2	3 6	RPB 6K1DHM	220,-	76	1	○	●	●	●	○
1 2	3 6	RFE 6K3M	280,-	77	1	○	●	●	●	○
2 5	6 15	RIB 10K-3M	205,-	75	1	○	●		●	○
2 5	6 15	RIB 10K-3HM	235,-	75	1	○	●		●	○
2 5	6 15	RPB 15K2DM	205,-	76	1	○	●	●	●	○
2 5	6 15	RPB 15K2DHM	220,-	76	1	○	●	●	●	○
2 5	6 15	RFE 15K3M	280,-	77	1	○	●	●	●	○
5 10	15 30	RIB 30K-2M	205,-	75	1	○	●		●	○
5 10	15 30	RIB 30K-2HM	235,-	75	1	○	●		●	○
5 10	15 30	RPB 30K5DM	205,-	76	1	○	●	●	●	○
5 10	15 30	RPB 30K5DHM	220,-	76	1	○	●	●	●	○
5 10	15 30	RFE 30K3M	280,-	77	1	○	●	●	●	○

● = standard ○ = option



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from €
205,-

- Intuitive operation
- Little space requirements
- Mains operation and rechargeable battery pack possible
- Second display which can be fitted on the back of the balance

HIGHLIGHT



Robust retail scale with large item memory, user-friendly handling and EC type approval [M]

Features

- **1** KERN RIB-HM: **Elevated display backlit**, height of stand approx. 530 mm, must be ordered at purchase
- **2** KERN RIB-M: **Second display** on the rear of the balance
- **Three displays** for weight display (verifiable), unit price, total price
- **Calculation of change**
- **Soil-resistant construction** through water channels at the frame of the housing and sealing rings over the upper housing inlets
- **10 Direct price keys** for frequently recurring article prices
- **Memory (PLU) for 20 article prices**
- **Energy management:** Backlight turns off after 5 s, can be switched off
- **Soil-resistant construction** through water channels at the frame of the housing and sealing rings over the upper housing inlets

- **Protective working cover** included with delivery

Technical data

- Large backlit LCD displays, digit height 18 mm
- Dimensions weighing surface, stainless steel, W×D 294×225 mm
- Overall dimensions W×D×H
KERN RIB-M: 325×400×115 mm
KERN RIB-HM: 325×340×405 mm
- Net weight
KERN RIB-M: approx. 3,2 kg
KERN RIB-HM: approx. 3,8 kg
- Permissible ambient temperature -10 °C/40 °C

Accessories

- **Protective working cover**, scope of delivery: 5 items, KERN RIB-A01S05, **€ 40,-**
- **Rechargeable battery pack internal**, operating time up to 80 h without backlight, charging time approx. 14 h, KERN GAB-A04, **€ 40,-**
- **3** **Tare pan made of stainless steel**, ideal for weighing loose small parts, fruit, vegetables etc., W×D×H 370×240×20 mm, KERN RFS-A02, **€ 55,-**

Application examples

- retail shops
- weekly markets
- farm shops
- pick your own fruit and vegetable sales

Note: Official verification duty for commercial trade

STANDARD

CAL EXT

MEMORY

UNIT

DMS

230 V

1 DAY


OPTION

ACCU

DAKKS

FACTORY

M

Model	Weighing capacity [Max] kg	Readability [d] g	Verification value [e] g	Minimal load [Min] g	Price excl. of VAT ex works €	Option			
						Verification		DAkkS Calibr. Certificate	
						 KERN	€	DAkkS KERN	€
Dual-range balance switches automatically to the next largest weighing capacity [Max] and readability [d]									
RIB 6K-3M	3 6	1 2	1 2	20 40	205,-	965-228	70,-	963-128	88,-
RIB 10K-3M	6 15	2 5	2 5	40 100	205,-	965-228	70,-	963-128	88,-
RIB 30K-2M	15 30	5 10	5 10	100 200	205,-	965-228	70,-	963-128	88,-
with elevated display									
RIB 6K-3HM	3 6	1 2	1 2	20 40	235,-	965-228	70,-	963-128	88,-
RIB 10K-3HM	6 15	2 5	2 5	40 100	235,-	965-228	70,-	963-128	88,-
RIB 30K-2HM	15 30	5 10	5 10	100 200	235,-	965-228	70,-	963-128	88,-
Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible. Verification at the factory, we need to know the full address of the location of use.									



07 Retail scale with memories for item prices

Features

- **NEW:** modern, ergonomic design and a housing which is even more compact, supporting efficient operation and saving space
- **1 KERN RPB-HM: Elevated display backlit**, revolving on column, height of stand approx. 480 mm, must be ordered at purchase
- **2 KERN RPB-M: Second display** on the rear of the balance
- **Three displays** for weight display (verifiable), unit price, total price
- **Calculation of change**
- **Memory (PLU) for 10 article prices**
- **Unit price can be switched** from €/kg to €/100 g
- **Auto-clear-key:** Unit price entry is automatically set to zero when scale is unloaded
- **3 High mobility:** thanks to rechargeable battery operation (optional), compact, lightweight construction, it is suitable for the use in several locations

- **Protective working cover** included with delivery

Technical data

- Large backlit LCD displays, digit height 15 mm
- Dimensions weighing surface, stainless steel, W×D 204×263 mm
- Overall dimensions W×D×H
RPB-M: 310×270×65 mm
RPB-HM: 310×270×545 mm
- Net weight
KERN RPB-M: approx. 2,8 kg
KERN RPB-HM: approx. 3,2 kg
- Permissible ambient temperature -10 °C/40 °C

Accessories

- **Protective working cover**, scope of delivery: 5 items, KERN RFC-A02S05, **€ 40,-**
- **Rechargeable battery pack internal**, operating time up to 50 h without backlight, charging time approx. 12 h, KERN WTB-A01N, **€ 35,-**
- **4 Tare pan made of stainless steel**, ideal for weighing loose small parts, fruit, vegetables etc., W×D×H 370×240×20 mm, KERN RFS-A02, **€ 55,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

Application examples

- retail shops
- weekly markets
- farm shops
- pick your own fruit and vegetable sales

Note: Official verification duty for commercial trade

STANDARD




OPTION



FACTORY



Model	Weighing capacity	Readability	Verification value	Minimal load	Price excl. of VAT ex works €	Option			
						Verification		DAkkS Calibr. Certificate	
						 KERN	€	DAkkS KERN	€
KERN	[Max] kg	[d] g	[e] g	[Min] g					
Dual-range balance switches automatically to the next largest weighing capacity [Max] and readability [d]									
RPB 6K1DM	3 6	1 2	1 2	20	205,-	965-228	70,-	963-128	88,-
RPB 15K2DM	6 15	2 5	2 5	40	205,-	965-228	70,-	963-128	88,-
RPB 30K5DM	15 30	5 10	5 10	100	205,-	965-228	70,-	963-128	88,-
with elevated display									
RPB 6K1DHM	3 6	1 2	1 2	20	220,-	965-228	70,-	963-128	88,-
RPB 15K2DHM	6 15	2 5	2 5	40	220,-	965-228	70,-	963-128	88,-
RPB 30K5DHM	15 30	5 10	5 10	100	220,-	965-228	70,-	963-128	88,-

Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.
Verification at the factory, we need to know the full address of the location of use.



Compact portion scale with 2 XXL displays – weight, unit price, total price and TARE value at a glance

07

Features

- Ideal as a salad scale, sweet scale, check-weigher, portion scale or zero-waste scale: Shopping without plastic or packaging waste in packaging-free supermarkets
- **Large LCD display with four displays** for weight display (verifiable), unit price, total price and stored TARE or PRE-TARE value
- TARE value display: this shows a TARE or PRE-TARE value stored in a PLU, which enables this value to be stored in a legally binding way in accordance with the Weights and Measures Act
- **1 Second display** on the rear of the balance
- **2 Column** to elevate the display as standard, can be easily fitted or removed by the user. The power cable for the second display can be stored in the folding column which is hygienic and gives a tidy appearance. Column height approx. 395 mm
- **3** Thanks to easily-understandable, universal symbols e.g. for weight, piece weight, total price this balance can also be understood and operated easily all over the world
- **Calculation of change**

- **4 Direct price keys** for frequently recurring article prices
- **Memory (PLU) for 100 article prices**
- Item description can be entered, stored and shown on the display in clear text
- **Unit price can be switched** from €/kg to €/100 g
- **Auto-clear-key:** Unit price entry is automatically set to zero when scale is unloaded
- **Headers and footers of the printout** can be programmed directly on the balance
- **High mobility:** thanks to rechargeable battery operation (optional), compact, lightweight construction, it is suitable for the use in several locations
- **Recessed grips on the underside** of the scale for easy transportation

Technical data

- Large backlit LCD display, digit height 20 mm
- Dimensions weighing surface, stainless steel, W×D 230×300 mm
- Overall dimensions W×D×H 320×450×130 mm
- Net weight approx. 4,2 kg
- Permissible ambient temperature -10 °C/40 °C

Accessories

- **Label printer** for printing weights on thermal labels, ASCII-capable, for further details, see *Accessories*, KERN YKE-01, **€ 590,-**
- **Rechargeable battery pack internal**, operating time up to 60 h with backlight, charging time approx. 12 h, KERN GAB-A04, **€ 40,-**

Application examples

- cafeterias, restaurants, Motorway service stations
 - retail shops
 - weekly markets
 - farm shops
 - pick your own fruit and vegetable sales
- Note:** Official verification duty for commercial trade

STANDARD

CAL EXT

MEMORY

RS 232

UNIT

MULTI

DMS

1 DAY

OPTION

ACCU

DAKKS

M

Model	Weighing capacity [Max] kg	Readability [d] g	Verification value [e] g	Minimal load [Min] g	Price excl. of VAT ex works €	Option			
						Verification		DAkKS Calibr. Certificate	
						KERN	€	DAkKS KERN	€
KERN RFE 6K3M	3 6	1 2	1 2	20	280,-	965-228	70,-	963-128	88,-
RFE 15K3M	6 15	2 5	2 5	40	280,-	965-228	70,-	963-128	88,-
RFE 30K3M	15 30	5 10	5 10	100	280,-	965-228	70,-	963-128	88,-

Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.
Verification at the factory, we need to know the full address of the location of use.



TIPS FROM THE EXPERTS

As well as our balances and test services, we can offer you an extensive range of medical scales.

We will offer you reliable quality at fair prices and with the shortest delivery times. Our product specialists will give you professional advice, will work with you to find the right product and will provide comprehensive support after the purchase too.

This ensures a high level of investment security and a good feeling – KERN, the nice balance manufacturer from the wilds of Southern Germany.

For all details on our ranges, please see www.kern-sohn.com or request your own personal catalogues right now: Telephone +49 7433 9933-0

#3 “Medical products from KERN – products you can rely on”

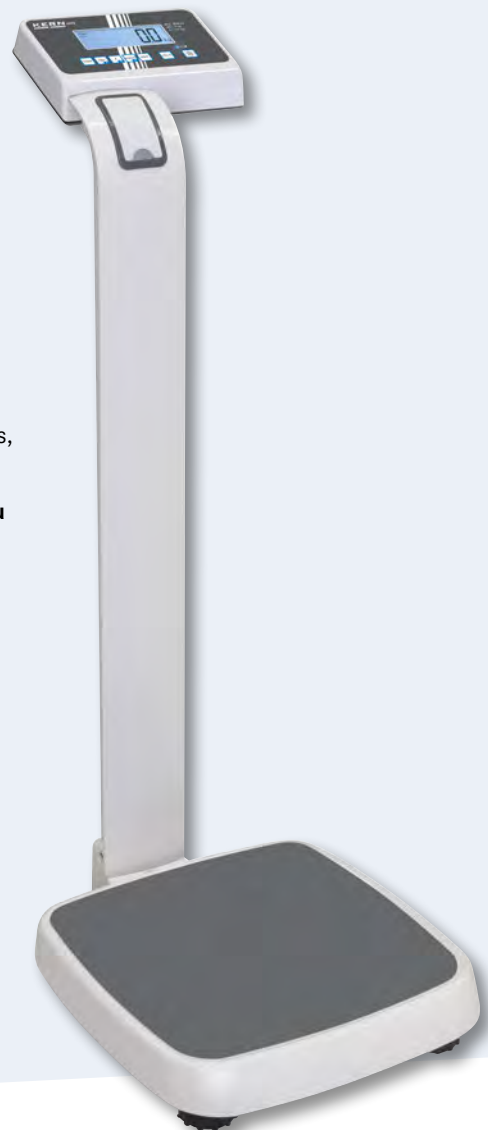
For years an established name in hospitals, doctors' surgeries, rehabilitation clinics and nursing homes.

Wherever reliable quality is important, look no further than the complete KERN range of medical scales, from baby scales, to personal scales, chair scales, obesity scales through to hand grip dynamometers.

KERN 2020 catalogue for medical balances and devices – this is where you will find everything for day-to-day tasks in the medical environment!



*Hendrik Neff, product specialist
Medical scales*



Counting scales/Counting systems

Interesting facts about density determination

Smallest part weight when counting

Smallest piece the scale will accept for piece counting and piece count display. In practice, depending on the required accuracy, we recommend to choose a counting scale with a minimum piece weight smaller than the weight of the item to be counted. To make it easier for you to select the right model, we give the smallest part weight when counting under laboratory conditions and normal conditions, see the website.

► Counting resolution

Describes the maximum quantity which can be counted with a counting accuracy of 1 %, with a minimum variation of item weights and a sufficiently large ► **reference quantity** (20 pieces with counting resolution $\leq 60,000$ points, 50 pieces from 60,000–150,000 points, 100 pieces $\geq 150,000$ points). This therefore is an indication of the quality of the counting scale.

Recommended ► reference quantity

Weight tolerances of pieces to be counted are the most significant sources of error when counting. Therefore, at the start of every counting procedure, establish an average weight, the so-called ► **reference weight**, by placing several pieces on the balance, the so-called reference quantity. Usually this would be:

5 pieces	>> often sufficient
10 pieces	>> common practise
20–100 pieces	>> for large deviations among piece weights

The “automatic ► **reference optimisation**” function increases the reference quantity gradually, whereby the average piece weight is optimised step by step. This contributes considerably to the accuracy of the subsequent counting processes.

Which counting scale for which application?

Simple counting scale

with self-explanatory user guidance on the keyboard. The graphic control panel enables you to start working immediately, without having to consult the user manual. Easy handling, value for money.

Professional counting scale

with 3 separate displays for reference weight (average weight of the pieces), total weight of all pieces and total quantity of all pieces. Very useful integrated memories, e.g. for container weight, item number, reference weight as well as audible and visual counting aids and an alphanumeric key pad for easy data entry.

Special tip for counting large quantities: Counting systems

The weighing capacities of bench counting scales are often not sufficient to count large quantities, units, palletized items, etc. Here high-performance counting systems come into operation, as these combine a high-precision reference scale with a high-capacity bulk scale.

► See the glossary on page 223–225



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- High-resolution counting system with EC type approval [M]
- Ergonomic display device with large keypad
- Three displays for weight display (verifiable), reference weight, total pieces
- 100 item memories for master data such as reference weight, reference quantity, container weight (PRE-TARE) etc.








from €

890,-



HIGHLIGHT

Quick-Finder Counting scales/Counting systems








Readability [d] g	Weighing capacity [Max] kg	Counting resolution Points	Model KERN	Price excl. of VAT ex works €	Page	 DAYS	 M	 CAL EXT	 MEMORY	 RS 232	 DUAL	 ACCU
For an explanation on the pictos, see front flap												
0,001	0,3	60.000	CFS 300-3	365,-	84	1		●	●	●	●	○
0,001	0,36	360.000	CKE 360-3	310,-	85	1		●		●		○
0,001	6	1.200.000	CCS 6K-6	630,-	88	2		●	●	●	●	○
0,001	15	3.000.000	CCS 10K-6	660,-	88	2		●	●	●	●	○
0,01	2	200.000	CKE 2000-2	330,-	85	1		●		●		○
0,01	3	60.000	CFS 3K-5	310,-	84	1		●	●	●	●	○
0,01	3 6	360.000	CKE 3600-2	350,-	85	1		●		●		○
0,01	3 6	600.000	CCA 6K-5M	890,-	90	2		●	●	●		
0,01	6 15	600.000	CCA 10K-5M	890,-	90	2		●	●	●		
0,01	15 30	1.500.000	CCA 30K-5M	960,-	90	2		●	●	●		
0,01	30	600.000	CCS 30K0.01.	540,-	88	2		●	●	●	●	○
0,01	30 60	3.000.000	CCA 60K-5M	960,-	90	2		●	●	●		
0,01	60	1.200.000	CCS 60K0.01.	540,-	88	2		●	●	●	●	○
0,01	60	1.200.000	CCS 60K0.01L.	620,-	88	2		●	●	●	●	○
0,01	60 150	15.000.000	CCA 100K-5M	1070,-	90	2		●	●	●		
0,01	150	3.000.000	CCS 150K0.01	650,-	88	2		●	●	●	●	○
0,01	150	3.000.000	CCS 150K0.01L	860,-	88	2		●	●	●	●	○
0,01	150 300	30.000.000	CCA 300K-5M	1250,-	90	2*		●	●	●		
0,01	300	6.000.000	CCS 300K0.01	860,-	88	2*		●	●	●	●	○
0,01	600	12.000.000	CCS 600K-2U	1490,-	88	2*		●	●	●	●	○
0,01	600	12.000.000	CCS 600K-2	1540,-	88	2*		●	●	●	●	○
0,01	600	12.000.000	CCS 600K-2L	1950,-	88	2*		●	●	●	●	○
0,02	4	200.000	CDS 4K0.02	560,-	87	1		●		●		○
0,02	6	300.000	CKE 6K0.02	490,-	85	1		●		●		○
0,05	8	160.000	CKE 8K0.05	470,-	85	1		●		●		○
0,05	15	300.000	CDS 15K0.05	490,-	87	1		●		●		○
0,05	16	320.000	CKE 16K0.05	570,-	85	1		●		●		○
0,1	6	60.000	CPB 6K0.1N	225,-	82	1		●		●		○
0,1	6	60.000	CFS 6K0.1	270,-	84	1		●	●	●	●	○
0,1	16	160.000	CKE 16K0.1	460,-	85	1		●		●		○
0,1	16	160.000	CDS 16K0.1	470,-	87	1		●		●		○
0,1	30	300.000	CDS 30K0.1	560,-	87	1		●		●		○
0,1	30	300.000	CDS 30K0.1L	720,-	87	1		●		●		○
0,1	30	300.000	CCS 30K0.1.	490,-	88	2		●	●	●	●	○
0,1	36	360.000	CKE 36K0.1	520,-	85	1		●		●		○
0,1	60	600.000	CCS 60K0.1.	495,-	88	2		●	●	●	●	○
0,1	60	600.000	CCS 60K0.1L.	570,-	88	2		●	●	●	●	○
0,1	150	1.500.000	CCS 150K0.1.	540,-	88	2		●	●	●	●	○
0,1	150	1.500.000	CCS 150K0.1L	820,-	88	2		●	●	●	●	○
0,1	300	3.000.000	CCS 300K0.1	790,-	88	2*		●	●	●	●	○
0,1	300 600	6.000.000	CCS 600K-1S	1400,-	88	2*		●	●	●	●	○
0,1	300 600	6.000.000	CCS 600K-1	1650,-	88	2*		●	●	●	●	○
0,1	600 1500	15.000.000	CCS 1T-4S	1400,-	88	2*		●	●	●	●	○
0,1	600 1500	15.000.000	CCS 1T-4	1650,-	88	2*		●	●	●	●	○
0,1	1500 3000	30.000.000	CCS 3T-3	1650,-	88	2*		●	●	●	●	○
0,1	1500 3000	30.000.000	CCS 3T-3L	1850,-	88	2*		●	●	●	●	○
0,1	1500	15.000.000	CCS 1T-1U	1430,-	88	2*		●	●	●	●	○
0,1	1500	15.000.000	CCS 1T-1L	1880,-	88	5*		●	●	●	●	○
0,1	3000	30.000.000	CCS 3T-1	1890,-	88	5*		●	●	●	●	○
0,1 0,2	3 6	60.000	IFS 6K-4S	390,-	85	1		●	●	●		○
0,1 0,2	6 15	75.000	IFS 10K-4	405,-	85	1		●	●	●		○
0,2	3	30.000	CXB 3K0.2	230,-	83	1		●				○
0,2	15	60.000	CPB 15K0.2N	225,-	82	1		●		●		○
0,2	15	75.000	CFS 15K0.2	270,-	84	1		●	●	●	●	○
0,2	36	180.000	CDS 36K0.2L	710,-	87	1		●		●		○
0,2	60	300.000	CDS 60K0.2	720,-	87	1		●		●		○
0,2	65	325.000	CKE 65K0.2	520,-	85	1		●		●		○
0,2 0,5	12 30	60.000	IFS 30K0.2DL	450,-	85	1		●	●	●		○
0,5	6	30.000	CXB 6K0.5	230,-	83	1		●				○
0,5	30	60.000	CPB 30K0.5N	225,-	82	1		●		●		○
0,5	30	60.000	CFS 30K0.5	270,-	84	1		●	●	●	●	○
0,5	65	130.000	CKE 65K0.5	480,-	85	1		●		●		○
0,5 1	30 60	60.000	IFS 60K0.5D	450,-	85	1		●	●	●		○
0,5 1	30 60	60.000	IFS 60K0.5DL	550,-	85	1		●	●	●		○
1	3	30.000	CXB 3K1NM	245,-	83	1	○	●				○
1	15	30.000	CXB 15K1	230,-	83	1		●				○
1	50	50.000	CFS 50K-3	295,-	84	1		●	●	●	●	○
1 2	3 6	60.000	CPB 6K1DM	225,-	82	1	○	●		●		○
1 2	3 6	60.000	IFS 6K-3SM	350,-	85	1	○	●	●	●		○
1 2	75 150	60.000	IFS 100K-3	630,-	85	1		●	●	●		○
1 2	75 150	60.000	IFS 100K-3L	790,-	85	1		●	●	●		○

News 2020

* Shipment via freight forwarder. Please ask for dimensions, gross weight, shipping costs

● = standard ○ = option

Quick-Finder Counting scales/Counting systems

Readability [d] g	Weighing capacity [Max] kg	Counting resolution Points	Model KERN	Price excl. of VAT ex works €	Page	 DAYS	 M	 CAL EXT	 MEMORY	 RS 232	 DUAL	 ACCU
For an explanation on the pictos, see front flap												
2	6	30.000	CXB 6K2NM	245,-	83	1	○	●				●
2	30	30.000	CXB 30K2	230,-	83	1		●				●
2 5	6 15	60.000	CPB 15K2DM	225,-	82	1	○	●		●		○
2 5	6 15	75.000	IFS 10K-3M	410,-	85	1	○	●	●	●		○
2 5	6 15	75.000	IFS 10K-3LM	460,-	85	1	○	●	●	●		○
2 5	150 300	60.000	IFS 300K-3	790,-	85	1		●	●	●		○
5	15	30.000	CXB 15K5NM	245,-	83	1	○	●				●
5 10	15 30	60.000	CPB 30K5DM	225,-	82	1	○	●		●		○
5 10	15 30	60.000	IFS 30K-3M	460,-	85	1	○	●	●	●		○
10	30	30.000	CXB 30K10NM	245,-	83	1	○	●				●
10 20	30 60	60.000	IFS 60K-2M	460,-	85	1	○	●	●	●		○
10 20	30 60	60.000	IFS 60K-2LM	550,-	85	1	○	●	●	●		○
20 50	60 150	60.000	IFS 100K-2M	550,-	85	1	○	●	●	●		○
20 50	60 150	60.000	IFS 100K-2LM	720,-	85	1	○	●	●	●		○
50 100	150 300	60.000	IFS 300K-2M	720,-	85	1	○	●	●	●		○

News 2020

*

Shipment via freight forwarder. Please ask for dimensions, gross weight, shipping costs

●

= standard

○

= option



Note: Official verification duty for commercial trade

Professional model, also with EC type approval [M], counting resolution up to 60,000 points

Features

- **Precise counting:** The automatic reference weight optimisation of reference weight gradually improves the average piece weight value
- **Programmable using numerical key pad:**
 - required reference quantity
 - known reference weight
- **Three displays** for weight display (verifiable), reference weight, total pieces
- **Counting results memory:** adds up all individual piece counts, result is shown in total weight and total pieces
- **Fill-to-target function:** Target count or target weight can be programmed. A signal will be displayed when the target value is reached
- **PRE-TARE function** for manual subtraction of a known container weight, useful for checking fill-levels

- **High mobility:** thanks to rechargeable battery operation (optional), compact, lightweight construction, it is suitable for the use in several locations (production, warehouse, dispatch department etc.)
- **Two balances in one:** Changes from counting mode to weighing mode at the touch of a key
- **Protective working cover** included with delivery

Technical data

- Large backlit LCD displays, digit height 20 mm
- Dimensions weighing surface, stainless steel, W×D 295×225 mm
- Overall dimensions W×D×H 315×350×105 mm
- Net weight approx. 3,2 kg
- Permissible ambient temperature 0 °C/40 °C

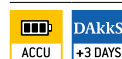
Accessories

- **Protective working cover**, scope of delivery: 5 items, KERN CFS-A02S05, € 40,-
- **Rechargeable battery pack internal**, operating time up to 90 h without backlight, charging time approx. 12 h, KERN GAB-A04, € 40,-
- **Signal lamp** for visual support of weighing with tolerance range, KERN CFS-A03, € 250,-
- **Y-cable** for parallel connection of two terminal devices to the RS-232 interface on the scale, e.g. signal lamp and printer, KERN CFS-A04, € 35,-
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD



OPTION



FACTORY



Model	Weighing capacity [Max] kg	Readability [d] g	Verification value [e] g	Minimal load [Min] g	Smallest part weight [Normal] g/piece	Counting resolution Points	Price excl. of VAT ex works €	Option			
								Verification		DAkkS Calibr. Certificate	
KERN								M KERN	€	DAkkS KERN	€
CPB 6K0.1N	6	0,1	-	-	1	60.000	225,-	-	-	963-128	88,-
CPB 15K0.2N	15	0,2	-	-	2,5	60.000	225,-	-	-	963-128	88,-
CPB 30K0.5N	30	0,5	-	-	5	60.000	225,-	-	-	963-128	88,-
Dual-range balance switches automatically to the next largest weighing capacity [Max] and readability [d]											
Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.											
Verification at the factory, we need to know the full address of the location of use.											
CPB 6K1DM	3 6	1 2	1 2	20	1	60.000	225,-	965-228	70,-	963-128	88,-
CPB 15K2DM	6 15	2 5	2 5	40	2,5	60.000	225,-	965-228	70,-	963-128	88,-
CPB 30K5DM	15 30	5 10	5 10	100	5	60.000	225,-	965-228	70,-	963-128	88,-



Note: Official verification duty for commercial trade

Entry level model into professional counting, also with EC type approval [M], counting resolution of 30,000 points

Features

- **Precise counting:** The automatic reference weight optimisation of reference weight gradually improves the average piece weight value
- **Programmable using numerical key pad:**
 - required reference quantity
 - known reference weight
- **Three displays** for weight display (verifiable), reference weight, total pieces
- **Fill-to-target function:** Target count or target weight can be programmed. A signal will be displayed when the target value is reached
- 10 memories for reference weights
- **Counting results memory:** adds up all individual piece counts, result is shown in total weight and total pieces
- **Integrated ESD protection,** therefore suitable for weighing small plastic parts

- **Energy management:** Backlight turns off after 5 s
- **PRE-TARE function** for manual subtraction of a known container weight, useful for checking fill-levels
- **Two balances in one:** Changes from counting mode to weighing mode at the touch of a key
- **Protective working cover** included with delivery
- **Internal rechargeable battery pack** included with delivery

Technical data

- Large backlit LCD displays, digit height 18 mm
- Dimensions weighing surface, stainless steel, WxD 300x225 mm
- Dimensions housing WxDxH, 300x330x110 mm
- Rechargeable battery pack internal, operating time up to 200 h without backlight, charging time approx. 8 h
- Permissible ambient temperature -10 °C/40 °C

Accessories

- **Protective working cover,** scope of delivery: 5 items, KERN CXB-A01S05, € 40,-
- **Rechargeable battery pack internal,** operating time up to 200 h without backlight, charging time approx. 8 h, KERN GAB-A04, € 40,-

STANDARD

CAL EXT

PCS

SUM

ACCU

230 V

DMS

1 DAY

OPTION

DAKKS


+3 DAYS

FACTORY

M

+3 DAYS

CXB-NM

Model	Weighing capacity [Max] kg	Readability [d] g	Verification value [e] g	Minimal load [Min] g	Smallest part weight [Normal] g/piece	Counting resolution Points	Net weight approx. kg	Price excl. of VAT ex works €	Option			
									Verification		DAkkS Calibr. Certificate	
									 KERN	€	DAkkS KERN	€
KERN												
CXB 3K0.2	3	0,2	-	-	1	30.000	4,0	230,-	-	-	963-127	72,-
CXB 6K0.5	6	0,5	-	-	2	30.000	4,0	230,-	-	-	963-128	88,-
CXB 15K1	15	1	-	-	5	30.000	4,0	230,-	-	-	963-128	88,-
CXB 30K2	30	2	-	-	10	30.000	4,2	230,-	-	-	963-128	88,-
Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible. Verification at the factory, we need to know the full address of the location of use.												
CXB 3K1NM	3	1	1	20	1	30.000	4,0	245,-	965-227	55,-	963-127	72,-
CXB 6K2NM	6	2	2	40	2	30.000	4,2	245,-	965-228	70,-	963-128	88,-
CXB 15K5NM	15	5	5	100	5	30.000	4,0	245,-	965-228	70,-	963-128	88,-
CXB 30K10NM	30	10	10	200	10	30.000	4,2	245,-	965-228	70,-	963-128	88,-



Professional, high-resolution counting scale with 100 item memories and second balance interface, counting resolution up to 75,000 points

Features

- **Memory (PLU)** for 100 items with additional text, reference weight and tare weight, e.g. of a container
- **Precise counting:** The automatic reference weight optimisation of reference weight gradually improves the average piece weight value
- **Programmable using numerical key pad:**
 - required reference quantity
 - known reference weight
- **Three displays** for weight display (verifiable), reference weight, total pieces
- **Weighing with tolerance range (check-weighing):** a visual and audible signal helps with portioning, dispensing or grading
- **Fill-to-target function**
Programmable target quantity or target weight. A signal will be displayed when the target value is reached
- **PRE-TARE function** for manual subtraction of a known container weight, useful for checking fill-levels

- **Second balance interface** to construct a high-resolution counting system, standard, e.g. with weighing bridges of KERN KFP V20
- **Protective working cover** included with delivery, for models with weighing plate size **A**, **B**

Technical data

- Large backlit LCD displays, digit height 20 mm
- Dimensions weighing surface
 - A** Ø 80 mm
 - B** W×D 295×225 mm
 - C** W×D 295×225 mm
- Overall dimensions W×D×H
 - A** 315×350×180 mm (incl. draught shield)
 - B** 315×350×110 mm
 - C** 365×250×125 mm
- Permissible ambient temperature 0 °C/40 °C

Accessories

- **Protective working cover**, standard for models with weighing plate size **A**, **B**, scope of delivery: 5 items, KERN CFS-A02S05, **€ 40,-**
- **Rechargeable battery pack internal**, operating time up to 70 h without backlight, charging time approx. 14 h, KERN GAB-A04, **€ 40,-**
- **Signal lamp** for visual support of weighing with tolerance range, KERN CFS-A03, **€ 250,-**
- **Y-cable** for parallel connection of two terminal devices to the RS-232 interface on the scale, e.g. signal lamp and printer, KERN CFS-A04, **€ 35,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD

CAL EXT

MEMORY

RS 232

KCP

PROTOCOL

DUAL

SUM

TOL

MULTI

DMS

1 DAY

OPTION

ACCU

DAKKS

+3 DAYS

FACTORY

WLAN

Model	Weighing capacity [Max] kg	Readability [d] g	Smallest part weight [Normal] g/piece	Counting resolution Points	Net weight approx. kg	Weighing plate	Price excl. of VAT ex works €	Option	
								DAKKS Calibr. Certificate	
KERN								DAKKS KERN	€
CFS 300-3	0,3	0,001	0,05	60.000	2,6	A	365,-	963-127	72,-
CFS 3K-5	3	0,01	0,5	60.000	3,4	B	310,-	963-127	72,-
CFS 6K0.1	6	0,1	1	60.000	3,2	B	270,-	963-128	88,-
CFS 15K0.2	15	0,2	2	75.000	3,4	B	270,-	963-128	88,-
CFS 30K0.5	30	0,5	5	60.000	3,4	B	270,-	963-128	88,-
CFS 50K-3	50	1	10	50.000	4,4	C	295,-	963-128	88,-



Easy to use, self-explanatory counting scale with laboratory accuracy, counting resolution up to 360,000 points

Features

- **Self-explanatory graphic control panel**, the workings steps can be understood immediately, even without operating instructions
 - no learning time = reduces costs
 - ideal for untrained users
 - visualised process avoids operating errors
- The 4 steps are carried out from left to right:
 - 1 Place the empty container onto the weighing plate and tare by pressing the TARE key
 - 2 Place the reference quantity for the goods to be counted into the container (5, 10 or 20 pieces)
 - 3 Confirm the selected reference quantity by pressing the key (5, 10 or 20)
 - 4 Pour in the goods to be counted. The number of pieces will immediately be shown in the display

- **Precise counting:** The automatic reference weight optimisation of reference weight gradually improves the average piece weight value
- **Two balances in one:** Changes from counting mode to weighing mode at the touch of a key
- **Protective working cover** included with delivery

Technical data

- Large backlit display
 - A, B digit height 9 mm
 - C digit height 25 mm
- Dimensions weighing surface
 - A Ø 81 mm, plastic
 - B W×D 150×170 mm, stainless steel
 - C 6 340×240 mm, stainless steel

- Overall dimensions W×D×H
 - A, B 167×250×85 mm
 - C 350×390×120 mm
- Optional battery operation, 6×1.5 V Size C not included in scope of delivery, operating time up to 40 h, for models with weighing plate size C
- Permissible ambient temperature 10 °C/40 °C

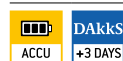
Accessories

- **Protective working cover**, scope of delivery: 5 items, for models with weighing plate size
 - A KERN PCB-A02S05, € 40,-
 - B KERN PCB-A05S05, € 40,-
 - C KERN FKB-A02S05, € 40,-
- **Rechargeable battery pack external**, operating time up to 30 h without backlight, charging time approx. 10 h, KERN KS-A01, € 160,-
- **Internal rechargeable battery pack**, operating time up to 30 h without backlight, charging time approx. 10 h, for models with weighing plate size A, B, KERN KB-A01N, € 50,-
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD

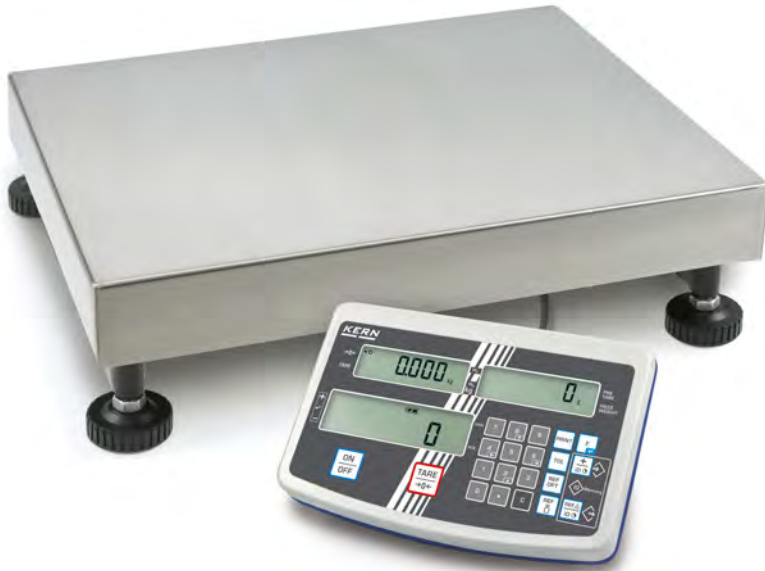


OPTION



Model	Weighing capacity [Max] kg	Readability [d] g	Smallest part weight [Normal] g/piece	Counting resolution Points	Net weight approx. kg	Weighing plate	Price excl. of VAT ex works €	Option	
								DAkkS Calibr. Certificate	
KERN								DAkkS KERN	€
CKE 360-3	0,36	0,001	0,01	360.000	1	A	290,-	963-127	72,-
CKE 2000-2	2	0,01	0,1	200.000	1,8	B	330,-	963-127	72,-
CKE 3600-2	3,6	0,01	0,1	360.000	1,8	B	350,-	963-127	72,-
CKE 6K0.02	6	0,02	0,2	300.000	7	C	490,-	963-128	88,-
CKE 8K0.05	8	0,05	0,5	160.000	7	C	470,-	963-128	88,-
CKE 16K0.05	16	0,05	0,5	320.000	7	C	570,-	963-128	88,-
CKE 16K0.1	16	0,1	1	160.000	7	C	460,-	963-128	88,-
CKE 36K0.1	36	0,1	1	360.000	7	C	520,-	963-128	88,-
CKE 65K0.2	65	0,2	2	325.000	7	C	520,-	963-129	105,-
CKE 65K0.5	65	0,5	5	130.000	7	C	480,-	963-129	105,-

Price reduction



Industrial counting scale with convenient decimal keypad for easy data entry – now also with EC type approval [M], counting resolution up to 75000 points

Features

- **Tough industry standard** suitable for use in harsh industrial applications
- **Ergonomic display device** with large keypad and high-contrast LCD display for easy entry and reading of, e.g., tare weights, reference weights, limit values etc.
- **Three displays** for weight display (verifiable), reference weight, total pieces
- **100 item memories** for master data such as reference weight, reference quantity, container weight (PRE-TARE) etc.
- Printout of date and time for GLP and GMP compliant data logging

- **Precise counting:** The manual reference weight optimisation gradually improves the average value of the piece weight
- **Totalising** of pieces when counting
- **Protective working cover** included with delivery

Technical data

- Large backlit LCD displays, digit height 16,5 mm
- Dimensions weighing surface, stainless steel
 - A 230×230×110 mm
 - B 300×240×110 mm
 - C 400×300×120 mm
 - D 500×400×140 mm
 - E 650×500×140 mm

- Dimensions of display device W×D×H
260×150×65 mm
- Cable length of display device approx. 3 m
- Permissible ambient temperature -10 °C/40 °C

Accessories

- **Protective working cover**, scope of delivery: 5 items, KERN KFB-A02S05, **€ 40,-**
- **Stand** to elevate display device, Height of stand approx. 330 mm, KERN IFB-A01, **€ 50,-**
Column height approx. 600 mm, for models with weighing plate size **D**, **E**, KERN IFB-A02, **€ 60,-**
- **Rechargeable battery pack internal**, operating time up to 40 h, without backlight, charging time approx. 12 h, must be ordered at purchase, KERN KFB-A01, **€ 35,-**
- **ESD drain** to protect against electrostatic discharge e.g. for electrostatically-charged weighing objects or people who work with the scale, KERN YGR-01, **€ 55,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD






















OPTION



FACTORY



Model	Weighing capacity [Max] kg	Readability [d] g	Verification value [e] g	Smallest part weight [Normal] g/piece	Counting resolution Points	Net weight approx. kg	Weighing plate	Price excl. of VAT ex works €	Option			
									Verification		DAkkS Calibr. Certificate	
									 KERN	€	DAkkS KERN	€
KERN												
Dual-range balance switches automatically to the next largest weighing capacity [Max] and readability [d]												
IFS 6K-4S	3 6	0,1 0,2	-	1	60.000	4,6		390,-	-	-	963-128	88,-
IFS 10K-4	6 15	0,1 0,2	-	2	75.000	6		405,-	-	-	963-128	88,-
IFS 30K0.2DL	12 30	0,2 0,5	-	5	60.000	11		450,-	-	-	963-128	88,-
IFS 60K0.5D	30 60	0,5 1	-	10	60.000	10		450,-	-	-	963-129	105,-
IFS 60K0.5DL	30 60	0,5 1	-	10	60.000	12		550,-	-	-	963-129	105,-
IFS 100K-3	75 150	1 2	-	25	60.000	12		630,-	-	-	963-129	105,-
IFS 100K-3L	75 150	1 2	-	25	60.000	20		790,-	-	-	963-129	105,-
IFS 300K-3	150 300	2 5	-	50	60.000	22		790,-	-	-	963-129	105,-
Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.												
Verification at the factory, we need to know the full address of the location of use.												
IFS 6K-3SM	3 6	1 2	1 2	1	60.000	6		350,-	965-228	70,-	963-128	88,-
IFS 6K-3M	3 6	1 2	1 2	1	60.000	6		410,-	965-228	70,-	963-128	88,-
IFS 10K-3M	6 15	2 5	2 5	2	75.000	6		410,-	965-228	70,-	963-128	88,-
IFS 10K-3LM	6 15	2 5	2 5	2	75.000	10		460,-	965-228	70,-	963-128	88,-
IFS 30K-3M	15 30	5 10	5 10	5	60.000	10		460,-	965-228	70,-	963-128	88,-
IFS 60K-2M	30 60	10 20	10 20	10	60.000	11		460,-	965-229	93,-	963-129	105,-
IFS 60K-2LM	30 60	10 20	10 20	10	60.000	13		550,-	965-229	93,-	963-129	105,-
IFS 100K-2M	60 150	20 50	20 50	25	60.000	12		550,-	965-229	93,-	963-129	105,-
IFS 100K-2LM	60 150	20 50	20 50	25	60.000	22		720,-	965-229	93,-	963-129	105,-
IFS 300K-2M	150 300	50 100	50 100	50	60.000	22		720,-	965-229	93,-	963-129	105,-



Easy to use industrial counting scale for heavy loads,
counting resolution up to 300,000 points

Features

- **Self-explanatory graphic control panel**, the workings steps can be understood immediately, even without operating instructions
 - no learning time = reduces costs
 - ideal for untrained users
 - visualised process avoids operating errors
- The 4 steps are carried out from left to right:
 - 1 Place the empty container onto the weighing plate and tare by pressing the TARE key
 - 2 Place the reference quantity for the goods to be counted into the container (5, 10 or 20 pieces)
 - 3 Confirm the selected reference quantity by pressing the key (5, 10 or 20)
 - 4 Pour in the goods to be counted. The number of pieces will immediately be shown in the display
- **Precise counting:** The automatic reference weight optimisation of reference weight gradually improves the average piece weight value
- **Protective working cover** included with delivery

Technical data

- Backlit LCD display, digit height 18 mm
- Dimensions weighing surface, stainless steel
 - A W×D 228×228 mm
 - B W×D 308×318 mm
 - C W×D 450×350 mm
- Dimensions of display device W×D×H 225×115×60 mm
- Permissible ambient temperature 10 °C/40 °C

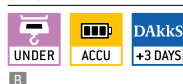
Accessories

- **Protective working cover** over the display device, scope of delivery: 5 items, KERN DE-A12S05, **€ 40,-**
- **Mount to fasten the display device** to the platform, KERN DE-A11N, **€ 35,-**
- **5 Stand** to elevate display device, height of stand approx. 480 mm, can be reordered, KERN DE-A10, **€ 100,-**
- **Rechargeable battery pack external**, operating time up to 30 h without backlight, charging time approx. 10 h, KERN KS-A01, **€ 160,-**
- **Rechargeable battery pack internal**, operating time up to 30 h without backlight, charging time approx. 10 h, KERN KB-A01N, **€ 50,-**
- **Set for underfloor weighing**, consists of platform, bow, hook, only for models with weighing plate B, KERN DS-A01, **€ 200,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD



OPTION



Model	Weighing capacity [Max] kg	Readability [d] g	Smallest part weight [Normal] g/piece	Counting resolution Points	Net weight approx. kg	Cable length approx. m	Weighing plate	Price excl. of VAT ex works €	Option	
									DAKKS KERN	€
KERN										
CDS 4K0.02	4	0,02	0,2	200.000	6	2	A	560,-	963-127	72,-
CDS 15K0.05	15	0,05	0,5	300.000	8	2	B	490,-	963-128	88,-
CDS 16K0.1	16	0,1	1	160.000	8	2	B	470,-	963-128	88,-
CDS 30K0.1	30	0,1	1	300.000	8	2	B	560,-	963-128	88,-
CDS 30K0.1L	30	0,1	1	300.000	10	0,6	C	720,-	963-128	88,-
CDS 36K0.2L	36	0,2	2	180.000	10	0,6	C	710,-	963-128	88,-
CDS 60K0.2	60	0,2	2	300.000	10	0,6	C	720,-	963-129	105,-



08

Counting system to count the smallest parts in the largest quantities, counting resolution up to 999,999 points

Features

- The highly accurate KERN CCS counting system can replace a whole range of individual balances, efficiently and at a reasonable price

Reference scale KERN CFS

This professional counting scale, which can also be used as a stand-alone scale, meets the highest demands for accuracy, weighing capacity and volume of items, by being connected to a high-capacity weighing bridge

- **Programmable using numerical key pad:**
 - required reference quantity
 - known reference weight
- **Three displays** for weight display reference weight, total pieces
- **Memory (PLU)** for 100 items with additional text, reference weight and tare weight, e.g. of a container
- **Fill-to-target function:** Target count or target weight can be programmed. A signal will be displayed when the target value is reached
- **Precise counting:** The automatic reference weight optimisation of reference weight gradually improves the average piece weight value
- **Protective working cover** included with delivery

Quantity scale KERN KFP-V20 IP65, KFP-V20 IP67, KFU-V20

- The high-accuracy quantity counting takes place on the weighing platform (= weighing bridge) KERN CCS. In this way even the smallest of parts can be counted in large volumes
- **Weighing plate stainless steel**, painted steel base, for models with weighing plate size **A** - **E**
- **Aluminium Single-Point load cell** (1×3000 e), protection against dust and water splashes IP65

Technical data

Reference scale KERN CFS

- Overall dimensions W×D×H 320×350×180 mm
- Dimensions weighing surface, stainless steel
 - I** CFS 300-3: Ø 80 mm
 - CFS 3K-5, CFS 6K0.1: W×D 300×225 mm
- Net weight approx. 2,6 kg

Quantity platform KERN KFP-V20 IP65

- Weighing plate dimensions W×D×H, stainless steel
 - A** 230×230×110 mm
 - B** 300×240×110 mm
 - C** 400×300×125 mm
 - D** 500×400×137 mm
 - E** 650×500×135 mm

Quantity weighing bridge KERN KFP-V20 IP67

- Weighing plate dimensions W×D×H, Lacquered steel
 - F** 1500×1250×80 mm

Quantity pallet scale KERN KFU-V20

- Weighing plate dimensions W×D×H, Lacquered steel
 - G** 840×1300×90 mm

Quantity platform KERN KIP-V20M

- Weighing plate dimensions W×D×H, Lacquered steel
 - H** 1000×1000×108 mm
 - I** 1500×1200×108 mm
 - J** 1500×1500×108 mm

- Connection cable approx.

- A** - **E** 2,5 m
- F** - **J** 5 m

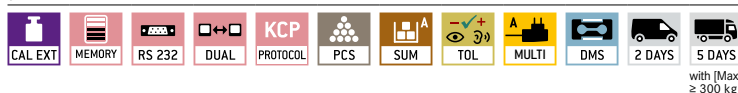


Accessories

- **2 KERN CFS: Protective working cover**, scope of delivery: 5 items, KERN CFS-A02S05, **€ 40,-**
- **3 Rechargeable battery pack internal**, operating time up to 60 h without backlight, charging time approx. 12 h, KERN GAB-A04, **€ 40,-**
- **4 Signal lamp** for visual support of weighing with tolerance range, **Signal lamp** for visual support of weighing with tolerance range, KERN CFS-A03, **€ 250,-**
- **5 Y-cable** for parallel connection of two terminal devices to the RS-232 interface on the scale, e.g. signal lamp and printer, KERN CFS-A04, **€ 35,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

1 Information on other high-capacity bulk balances, such as, for example, pallet scales, drive-through scales or floor scales is available on request, for information on other counting systems with the KERN CFS reference balance (d = 0.1 g), please refer to the website

STANDARD



OPTION



Model	Weighing capacity Quantity scale [Max] kg	Readability Quantity scale [d] g	Weighing plate	Weighing capacity Reference scale [Max] g	Readability Reference scale [d] g	Counting resolution Points	Smallest part weight [Normal] g/piece	Price excl. of VAT ex works €	Option	
									DAKKS KERN	€
KERN										
CCS 6K-6	6	0,2	A	300	0,001	1.200.000	0,05	630,-	962-128-127	145,-
CCS 10K-6	15	0,5	B	300	0,001	3.000.000	0,05	660,-	962-128-127	145,-
CCS 30K0.01.	30	1	C	3000	0,01	600.000	0,5	540,-	962-128-127	145,-
CCS 30K0.1.	30	1	C	6000	0,1	300.000	1	490,-	962-128-128	175,-
CCS 60K0.01.	60	2	C	3000	0,01	1.200.000	0,5	540,-	962-129-127	160,-
CCS 60K0.01L.	60	2	D	3000	0,01	1.200.000	0,5	620,-	962-129-127	160,-
CCS 60K0.1.	60	2	C	6000	0,1	600.000	1	495,-	962-129-128	175,-
CCS 60K0.1L.	60	2	D	6000	0,1	600.000	1	570,-	962-129-128	175,-
CCS 150K0.01	150	5	D	3000	0,01	3.000.000	0,5	650,-	962-129-127	160,-
CCS 150K0.01L	150	5	E	3000	0,01	3.000.000	0,5	860,-	962-129-127	160,-
CCS 150K0.1.	150	5	D	6000	0,1	1.500.000	1	540,-	962-129-128	175,-
CCS 150K0.1L	150	5	E	6000	0,1	1.500.000	1	820,-	962-129-128	175,-
CCS 300K0.01	300	10	E	3000	0,01	6.000.000	0,5	860,-	962-129-127	160,-
CCS 300K0.1	300	10	E	6000	0,1	3.000.000	1	790,-	962-129-128	175,-
CCS 600K-2U	600	200	G	3000	0,01	12.000.000	0,5	1490,-	962-130-127	237,-
CCS 1T-1L	1500	500	F	6000	0,1	15.000.000	1	1880,-	962-130-128	253,-
CCS 1T-1U	1500	500	G	6000	0,1	15.000.000	1	1430,-	962-130-128	253,-
CCS 3T-1	3000	1000	F	6000	0,1	30.000.000	1	1890,-	962-132-128	528,-
CCS 600K-1S <small>NEW</small>	300 600	0,1 0,2	H	6000	0,1	6.000.000	1	1400,-	962-130-127	237,-
CCS 600K-1 <small>NEW</small>	300 600	0,1 0,2	I	6000	0,1	6.000.000	1	1650,-	962-130-127	237,-
CCS 1T-4S <small>NEW</small>	600 1500	0,2 0,5	H	6000	0,1	15.000.000	1	1400,-	962-130-128	253,-
CCS 1T-4 <small>NEW</small>	600 1500	0,2 0,5	I	6000	0,1	15.000.000	1	1650,-	962-130-128	253,-
CCS 3T-3 <small>NEW</small>	1500 3000	0,5 1	I	6000	0,1	30.000.000	1	1650,-	962-132-128	528,-
CCS 3T-3L <small>NEW</small>	1500 3000	0,5 1	J	6000	0,1	30.000.000	1	1850,-	962-132-128	528,-

NEW New model

NEW



High-resolution counting system with EC type approval [M] to count the smallest parts in the largest quantities, counting resolution up to 300.000.000 points

Features

- The highly accurate KERN CCS counting system can replace a whole range of individual balances, efficiently and at a reasonable price
- Thanks to EC type approval [M], it is also suitable for use in verified applications
- The balances are connected to one another with an RS-232 Y-cable (KERN CCA-A01, included with delivery), which also allows you to connect a printer

Reference scale KERN EWJ

- This precision balance, which can be used as an individual balance, also fulfils the highest demands through connection with a high-capacity weighing bridge
- **Easy to use:** All primary functions have their own key on the keypad
- **Automatic internal adjustment,** time-controlled every 2 h, guarantees high degree of accuracy and makes the balance independent of its location
- Draught shield standard, weighing space W×D×H 134×128×80 mm
- **Protective working cover** included with delivery

Quantity scale KERN IFS

- The high-accuracy quantity counting takes place on the weighing platform (= weighing bridge) KERN CCA. In this way even the smallest of parts can be counted in large volumes
- **Tough industry standard** suitable for use in harsh industrial applications
- **Tough industry standard** suitable for use in harsh industrial applications
- **Ergonomic display device** with large keypad and high-contrast LCD display for easy entry and reading of, e.g., tare weights, reference weights, limit values etc.
- **Three displays** for weight display (verifiable), reference weight, total pieces
- **100 item memories** for master data such as reference weight, reference quantity, container weight (PRE-TARE) etc.
- Printout of date and time for GLP and GMP compliant data logging
- **Precise counting:** The manual reference weight optimisation gradually improves the average value of the piece weight
- **Totalising** of pieces when counting
- **Aluminium Single-Point load cell** (1×3000 e), protection against dust and water splashes IP65

- **Protective working cover** included with delivery

Technical data

Reference scale KERN EWJ

- Overall dimensions (incl. draught shield) W×D×H 220×340×321 mm
- Dimensions weighing surface, stainless steel Ø 120 mm
- Net weight approx. 3,2 kg
- Connection cable approx. 1,5 m

Quantity scale KERN IFS

- Weighing plate dimensions W×D×H, stainless steel
 - A** 300×240×110 mm
 - B** 400×300×120 mm, see larger picture
 - C** 500×400×140 mm
 - D** 650×500×140 mm

Accessories

- **Signal lamp** for visual support of weighing with tolerance range, KERN CFS-A03, **€ 250,-**
- **RS-232/WiFi adapter** for wireless connection to networks and WiFi capable devices, such as tablets, laptops or smartphones, KERN YKI-03, **€ 690,-**
- **RS-232/Ethernet adapter** for connection to an IP-based Ethernet network, KERN YKI-01, **€ 290,-**

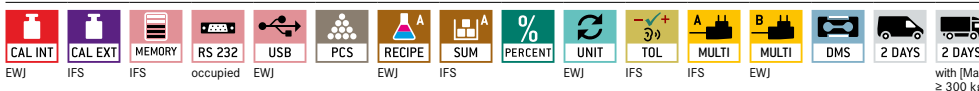
Reference scale KERN EWJ

- **Protective working cover,** scope of delivery: 5 items, KERN EWJ-A04S05, **€ 40,-**
- **Rechargeable battery pack internal,** operating time up to 15 h without backlight, charging time approx. 4 h, KERN KFB-A01, **€ 35,-**

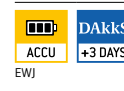
Quantity scale KERN IFS

- **Protective working cover,** scope of delivery: 5 items, KERN KFB-A02S05, **€ 40,-**
- **Rechargeable battery pack internal,** operating time up to 40 h, without backlight, charging time approx. 12 h, must be ordered at purchase, KERN KFB-A01, **€ 35,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

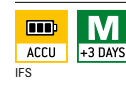
STANDARD



OPTION



FACTORY



Model	Weighing capacity Quantity scale [Max] kg	Readability Quantity scale [d] g	Weighing plate	Weighing capacity Reference scale [Max] g	Readability Reference scale [d] g	Counting resolution Points	Smallest part weight [Normal] g/piece	Price excl. of VAT ex works €	Option Verification	
KERN									M KERN	€
CCA 6K-5M	3 6	1 2	A	600	0,01	6.000.000	0,2	890,-	965-228-216	121,-
CCA 10K-5M	6 15	2 5	A	600	0,01	15.000.000	0,2	890,-	965-228-216	121,-
CCA 30K-5M	15 30	5 10	B	600	0,01	30.000.000	0,2	960,-	965-228-216	121,-
CCA 60K-5M	30 60	10 20	B	600	0,01	60.000.000	0,2	960,-	965-229-216	159,-
CCA 100K-5M	60 150	20 50	C	600	0,01	150.000.000	0,2	1070,-	965-229-216	159,-
CCA 300K-5M	150 300	50 100	C	600	0,01	300.000.000	0,2	1250,-	965-229-216	159,-