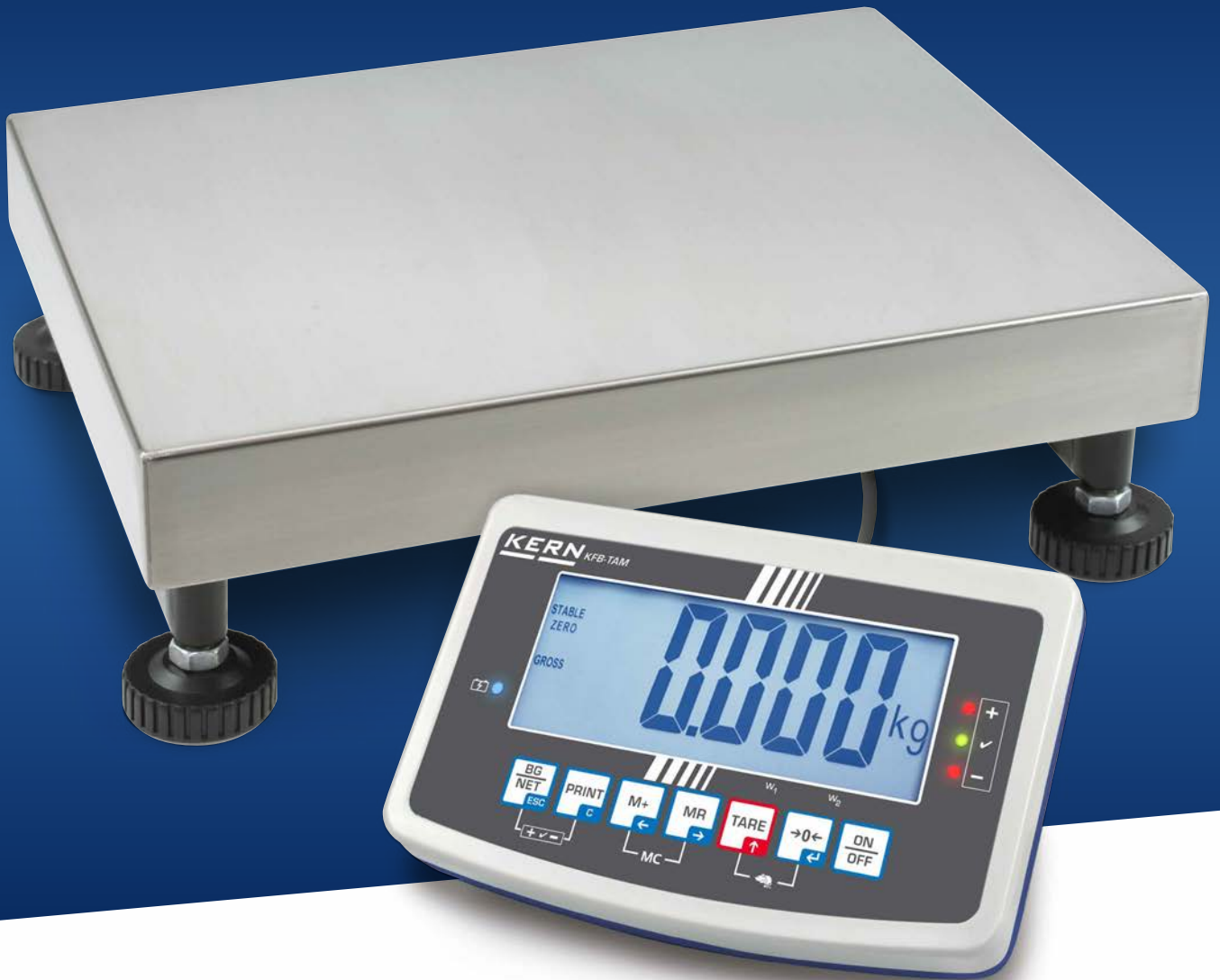















## PARCEL SCALES/PLATFORM SCALES

PROFESSIONAL  
MEASURING



# 2020

# KERN Pictograms

- 
**Internal adjusting:**  
 Quick setting up of the balance's accuracy with internal adjusting weight (motordriven)
- 
**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
- 
**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
- 
**GLP/ISO log:**  
 The balance displays serial number, user ID, weight, date and time, regardless of a printer connection
- 
**GLP/ISO log:**  
 With weight, date and time. Only with KERN printers, see page 171-173
- 
**Piece counting:**  
 Reference quantities selectable. Display can be switched from piece to weight
- 
**Recipe level A:**  
 The weights of the recipe ingredients can be added together and the total weight of the recipe can be printed out
- 
**Recipe level B:**  
 Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display
- 
**Recipe level C:**  
 Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display, multiplier function, adjustment of recipe when dosages are exceeded or barcode recognition
- 
**Totalising level A:**  
 The weights of similar items can be added together and the total can be printed out
- 
**Percentage determination:**  
 Determining the deviation in % from the target value (100 %)
- 
**Weighing units:**  
 Can be switched to e.g. nonmetric units at the touch of a key. See balance model. Please refer to KERN's website for more details
- 
**Weighing with tolerance range:**  
 (Checkweighing) Upper and lower limiting can be programmed individually, e.g. for sorting and dosing. The process is supported by an audible or visual signal, see the relevant model
- 
**Hold function:**  
 (Animal weighing program) When the weighing conditions are unstable, a stable weight is calculated as an average value
- 
**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

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



## Medical scales catalogue

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.



## Microscopes & refractometers catalogue

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.



## SAUTER measuring equipment catalogue

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



## DAkkS calibration service brochure

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



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



**Online Shop**  
[www.kern-sohn.com](http://www.kern-sohn.com)



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



**E-mail order**  
[info@kern-sohn.com](mailto:info@kern-sohn.com)



**Calibration hotline**  
+49 7433 9933-196



**Fax order**  
+49 7433 9933-146



**Our team of consultants will assist you**  
from Monday to Friday  
from 8:00 am to 6:00 pm




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

Information on current product availability, product data sheets, user instructions, useful knowledge, technical glossary, images and much for you to download, practical topic areas, which will guide you to the right product in your industry as well as a clever test weight and balance search engine.



## Parcel scales/Platform scales

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



### Precision platform scales

	★★★★
	★★★
 <b>DS</b>	★






### STAINLESS STEEL PLATFORM SCALES

	★★★★
▶ Page 72  ▶ Page 73	★★★
 <b>SFB</b>	★

### PLATFORM SCALES WITH STAINLESS STEEL DISPLAY

	★★★★
 <b>IXS</b>	★★★
 <b>SFE</b>	★

### INDUSTRIAL PLATFORM SCALES

	★★★★
 <b>EOC</b>	★★★
 <b>IFB</b>	★★
 <b>IOC</b>	★
 <b>IFS</b>	
 <b>IFT</b>	
▶ Page 86	

### PARCEL SCALES

	★★★★
 <b>EOB</b>	★★★
 <b>EOS</b>	★★
 <b>DE</b>	★
 <b>EOE</b>	



**Florian Bächle**  
 Product specialist Platform scales  
 Tel. +49 7433 9933-118  
 Fax +49 7433 9933-29118  
 florian.baechle@kern-sohn.com

- ▷ **Industry 4.0: A wide range of (optional) data interfaces allows that it is easy to transfer weighing data**
- ▷ **Practical dual-range scale – high precision paired with large weighing capacities**
- ▷ **Protected against water splashes through IP65 rating**



from € **270,-**

# HIGHLIGHT





# Quick-Finder Parcel scales/Platform scales

Readability [d] g	Weighing capacity [Max] kg	Weighing plate W×D×H mm	Model KERN	Price excl. of VAT ex works €	Page											
						For an explanation on the pictos, see front flap										
20   50	60   150	500×400×130	IFB 150K20DM	495,-	103	1	○		●		●	●	●		○	
20   50	60   150	650×500×142	IFB 150K20DLM	665,-	103	1	○		●		●	●	●		○	
20   50	60   150	500×400×123	IXS 100K-2M	720,-	106	1	○		●		○	●	●		○	
20   50	60   150	650×500×133,5	IXS 100K-2LM	790,-	106	2*	○		●		○	●	●		○	
50	150	315×305×57	EOE 100K-2	135,-	95	1			●					●		
50	150	550×550×58	EOE 150K50L	270,-	95	1			●					●		
50	150	950×500×58	EOE 150K50XL	310,-	95	1			●					●		
50	150	315×305×57	EOB 150K50	152,-	96	1			●					●		
50	150	550×550×58	EOB 150K50L	330,-	96	1			●					●		
50	150	950×500×85	EOB 150K50XL	400,-	96	1			●					●		
50	150	950×500×58	EOS 150K50XL	395,-	97	1			●					●		
50	150	400×300×130	SFE 100K-2M	430,-	105	1	○		●			●		●		
50	150	500×400×140	SFE 100K-2LM	520,-	105	1	○		●			●		●		
50	150	650×500×140	SFE 100K-2LNM	660,-	105	1	○		●			●		●		
50   100	150   300	522×403×85	DE 300K50D	315,-	98	1			●		●	●	●	○		
50   100	150   300	650×500×89	DE 300K50DL	450,-	98	1			●		●	●	●	○		
50   100	150   300	500×400×120	EOC 300K-2	330,-	100	1			●		●	●	●	○		
50   100	150   300	600×500×150	EOC 300K-2L	470,-	100	1			●		●	●	●	○		
50   100	150   300	650×500×150	IOC 300K-2M	650,-	102	1	○		●		●	●	●	○		
50   100	150   300	650×500×142	IFB 300K50DM	665,-	103	1	○		●		●	●	●	○		
50   100	150   300	650×500×133,5	IXS 300K-2M	790,-	106	2*	○		●		○	●	●	○		
50   100	150   300	650×500×142	IFT 300K-2LM	1790,-	110	2*			●	●	●	●	●	○		
100	300	315×305×57	EOE 300K100	135,-	95	1			●					●		
100	300	550×550×58	EOE 300K100L	265,-	95	1			●					●		
100	300	950×500×58	EOE 300K100XL	310,-	95	1			●					●		
100	300	315×305×57	EOB 300K100A	152,-	96	1			●					●		
100	300	550×550×58	EOB 300K100L	330,-	96	1			●					●		
100	300	950×500×58	EOB 300K100XL	400,-	96	1			●					●		
100	300	950×500×58	EOS 300K100XL	395,-	97	1			●					●		
100	300	650×500×140	SFE 300K-1LNM	660,-	105	1	○		●			●		●		
100   200	300   600	800×600×200	IOC 600K-1M	790,-	102	2*	○		●		●	●	●	○		
100   200	300   600	800×600×200	IFB 600K-1M	930,-	103	2*	○		●		●	●	●	○		

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

● = standard ○ = option

## Did you know?

For determining the weight of goods e.g. on conveyor in production or dispatch lines, we offer a selection of different roller conveyor attachments for our platform scales. In this way you can convert your platform scale into a robust measuring system for rapid and flexible weight determination. For all details on this, please see page 182.



Roller conveyor KERN YRO



Parcel scales with big platform for fast and easy weighing in the office, production, dispatch etc.

<p><b>Features</b></p> <ul style="list-style-type: none"> <li>• <b>High mobility:</b> thanks to battery operation, compact, lightweight construction, it is suitable for the use in several locations</li> <li>• <b>Wall mount</b> for display device, standard</li> <li>• <b>Hold function:</b> When the weighing conditions are unstable, a stable weight is calculated determining an average value</li> <li>• <b>Protective working cover</b> over the display device, included with delivery</li> </ul>	<p><b>Technical data</b></p> <ul style="list-style-type: none"> <li>• Large LCD display, digit height 25 mm</li> <li>• Weighing plate dimensions, steel, painted W×D×H                     <ul style="list-style-type: none"> <li>A 315×305×57 mm</li> <li>B 550×550×58 mm, see larger picture</li> <li>C 950×500×58 mm</li> </ul> </li> <li>• Dimensions of display device W×D×H 235×114×51 mm</li> <li>• Optional battery operation, 4×1.5 V AA not included in scope of delivery, operating time up to 100 h</li> <li>• Permissible ambient temperature 5 °C/35 °C</li> </ul>	<p><b>Accessories</b></p> <ul style="list-style-type: none"> <li>• <b>Protective working cover</b>, scope of delivery: 5 items, KERN EOB-A04BS05, <b>€ 40,-</b></li> <li>• <b>Stand</b> to elevate display device, for models with weighing plate size <b>A</b>, height of stand approx. 480 mm, KERN EOB-A01N, <b>€ 50,-</b></li> <li>• <b>Stand</b> to elevate display device, height of stand approx. 1000 mm, KERN EOB-A02B, <b>€ 80,-</b></li> <li>• <b>External universal mains adapter</b>, with universal input and optional input socket adapters for EU, GB, USA, KERN YKA-16, <b>€ 40,-</b></li> </ul>
--	--	---

09

STANDARD							OPTION
CAL EXT	UNIT	MOVE	BATT	MULTI	DMS	1 DAY	DAKKS +3 DAYS

Model	Weighing capacity [Max] kg	Readability [d] g	Reproducibility g	Weighing plate	Net weight approx. kg	Cable length approx. m	Price excl. of VAT ex works €	Option	
								DAKKS KERN	DAKKS Calibr. Certificate €
<b>KERN</b>									
EOE 10K-3	15	5	5	A	4,0	1,8	135,-	963-128	88,-
EOE 30K-2	35	10	10	A	3,8	1,8	135,-	963-128	88,-
EOE 60K-2	60	20	20	A	3,8	1,8	135,-	963-129	105,-
EOE 60K-2L	60	20	20	B	13	2,7	270,-	963-129	105,-
EOE 100K-2	150	50	50	A	3,8	1,8	135,-	963-129	105,-
EOE 150K50L	150	50	50	B	13	2,7	270,-	963-129	105,-
EOE 150K50XL	150	50	50	C	18	2,7	310,-	963-129	105,-
EOE 300K100	300	100	100	A	3,6	1,8	135,-	963-129	105,-
EOE 300K100L	300	100	100	B	13	2,7	265,-	963-129	105,-
EOE 300K100XL	300	100	100	C	18	2,7	310,-	963-129	105,-





The bestsellers in parcel- and veterinary scales, also with XL-platform, and big weighing capacities

**Features**

- **Weighing plate stainless steel**, painted steel base
- **Simple and convenient 4-key operation**
- **Wall mount** for display device, standard
- **Hold function:** When the weighing conditions are unstable, a stable weight is calculated determining an average value
- **Protective working cover** over the display device included with delivery
- **External universal mains adapter** included with delivery

**Technical data**

- Large LCD display, digit height 25 mm
- Weighing plate dimensions, stainless steel W×D×H
  - A** 315×305×57 mm
  - B** 550×550×58 mm, see larger picture
  - C** 950×500×58 mm
- Dimensions of display device W×D×H 235×114×51 mm
- Cable length of display device approx. 2 m
- Optional battery operation, 4×1.5 V AA not included in scope of delivery, operating time up to 60 h
- Permissible ambient temperature 5 °C/35 °C

**Accessories**

- **Protective working cover** over the display device, scope of delivery: 5 items, KERN EOB-A04BS05, **€ 40,-**
- **1 Stand** to elevate display device, height of stand approx. 1000 mm, can be reordered, KERN EOB-A02B, **€ 80,-**
- **2 KERN EOB: Stand** to elevate display device, for models with weighing plate size **A**, height of stand approx. 480 mm, KERN EOB-A01N, **€ 50,-**
- **Non-slip rubber mat** W×D×H 945×505×5 mm, KERN EOE-A01, **€ 45,-**

09

STANDARD

CAL EXT UNIT MOVE BATT MULTI DMS 1 DAY

OPTION

DAKKS +3 DAYS

Model	Weighing capacity [Max] kg	Readability [d] g	Reproducibility g	Linearity g	Net weight approx. kg	Weighing plate	Price excl. of VAT ex works €	Option	
								DAKKS KERN	DAKKS Calibr. Certificate €
<b>KERN</b>									
<b>EOB 15K5</b>	15	5	5	± 10	3,8	<b>A</b>	<b>152,-</b>	963-128	88,-
<b>EOB 35K10</b>	35	10	10	± 20	3,8	<b>A</b>	<b>152,-</b>	963-128	88,-
<b>EOB 60K20</b>	60	20	20	± 40	3,8	<b>A</b>	<b>152,-</b>	963-129	105,-
<b>EOB 60K20L</b>	60	20	20	± 40	12	<b>B</b>	<b>330,-</b>	963-129	105,-
<b>EOB 150K50</b>	150	50	50	± 100	3,8	<b>A</b>	<b>152,-</b>	963-129	105,-
<b>EOB 150K50L</b>	150	50	50	± 100	11	<b>B</b>	<b>330,-</b>	963-129	105,-
<b>EOB 150K50XL</b>	150	50	50	± 100	17	<b>C</b>	<b>400,-</b>	963-129	105,-
<b>EOB 300K100A</b>	300	100	100	± 200	3,8	<b>A</b>	<b>152,-</b>	963-129	105,-
<b>EOB 300K100L</b>	300	100	100	± 200	12	<b>B</b>	<b>330,-</b>	963-129	105,-
<b>EOB 300K100XL</b>	300	100	100	± 200	17	<b>C</b>	<b>400,-</b>	963-129	105,-



The bestsellers in parcel- and veterinary scales, also with XL-platform, and big weighing capacities

**Features**

- **Weighing plate stainless steel**, painted steel base
- **Simple and convenient 4-key operation**
- **Wall mount** for display device, standard
- **Hold function:** When the weighing conditions are unstable, a stable weight is calculated determining an average value
- **Rollers and handle:** The scale can be easily transported using rollers and a handle and does not require much storage space
- **Protective working cover** over the display device included with delivery
- **Non-slip rubber mat** included with delivery
- **External universal mains adapter** included with delivery

**Technical data**

- Large LCD display, digit height 25 mm
- Weighing plate dimensions, stainless steel W×D×H 950×500×58 mm
- Dimensions of display device W×D×H 235×114×51 mm
- Cable length of display device approx. 0,8 m
- Optional battery operation, 4×1.5 V AA not included, operating time up to 60 h
- Permissible ambient temperature 5 °C/35 °C

**Accessories**

- **Protective working cover**, scope of delivery: 5 items, KERN EOB-A04BS05, € 40,-
- **Stand** to elevate display device, height of stand approx. 1000 mm, KERN EOB-A02B, € 80,-
- **Non-slip rubber mat** W×D×H 945×505×5 mm, KERN EOE-A01, € 45,-

09

STANDARD

CAL EXT UNIT MOVE BATT MULTI DMS 1 DAY

OPTION

DAkks +3 DAYS

Model	Weighing capacity [Max] kg	Readability [d] g	Reproducibility g	Linearity g	Net weight approx. kg	Price excl. of VAT ex works €	Option	
							DAkks KERN	DAkks Calibr. Certificate €
KERN EOS 150K50XL	150	50	50	± 100	17	395,-	963-129	105,-
KERN EOS 300K100XL	300	100	100	± 200	17	395,-	963-129	105,-

Price reduction



09

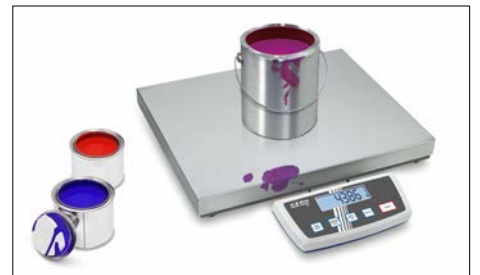
The long lasting story of success with dust and spray protected display device



Piece counting



Animal weighing



Recipe-weighing



**Features**

- **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.)
- **Display device** flexible positioning, e.g. free-standing or mounted to the wall
- **1 Display device:** plastic, protection against dust and water splashes IP65
- **Weighing plate stainless steel,** painted steel base
- **PRE-TARE function** for manual subtraction of a known container weight, useful for checking fill-levels
- 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
- **Freely programmable weighing unit,** e.g. display direct in special units such as length of thread g/m, paper weight g/m<sup>2</sup>, or similar

- **Protective working cover** included with delivery

**Technical data**

- Large backlit LCD display, digit height 25 mm
- Weighing plate dimensions, stainless steel W×D×H
  - A** 318×308×75 mm
  - B** 318×308×88 mm
  - C** 522×406×98 mm, see larger picture
  - D** 522×403×83 mm
  - E** 650×500×89 mm
- Dimensions of display device, W×D×H 225×110×45 mm
- Optional battery operation, 9 V-Block not included in scope of delivery, operating time up to 12 h
- Permissible ambient temperature 5 °C/35 °C

**Accessories**

- **Protective working cover** over the display device, scope of delivery: 5 items, KERN DE-A12S05, **€ 40,-**
- **Rechargeable battery pack internal,** operating time up to 30 h without backlight, charging time approx. 10 h, KERN NDE-A02, **€ 50,-**
- **Mount to fasten the display device** to the platform, KERN DE-A11N, **€ 35,-**
- **Wall mount** for display device, KERN DE-A13, **€ 30,-**
- **2 Stand** to elevate display device, height of stand approx. 480 mm, KERN DE-A10, **€ 100,-**
- **Individual header data:** the free software SHM-01 can be used to print header lines on the printout when using printers YKN-01 and YKB-01N
- Further details, plenty of further accessories and suitable printers see *Accessories*

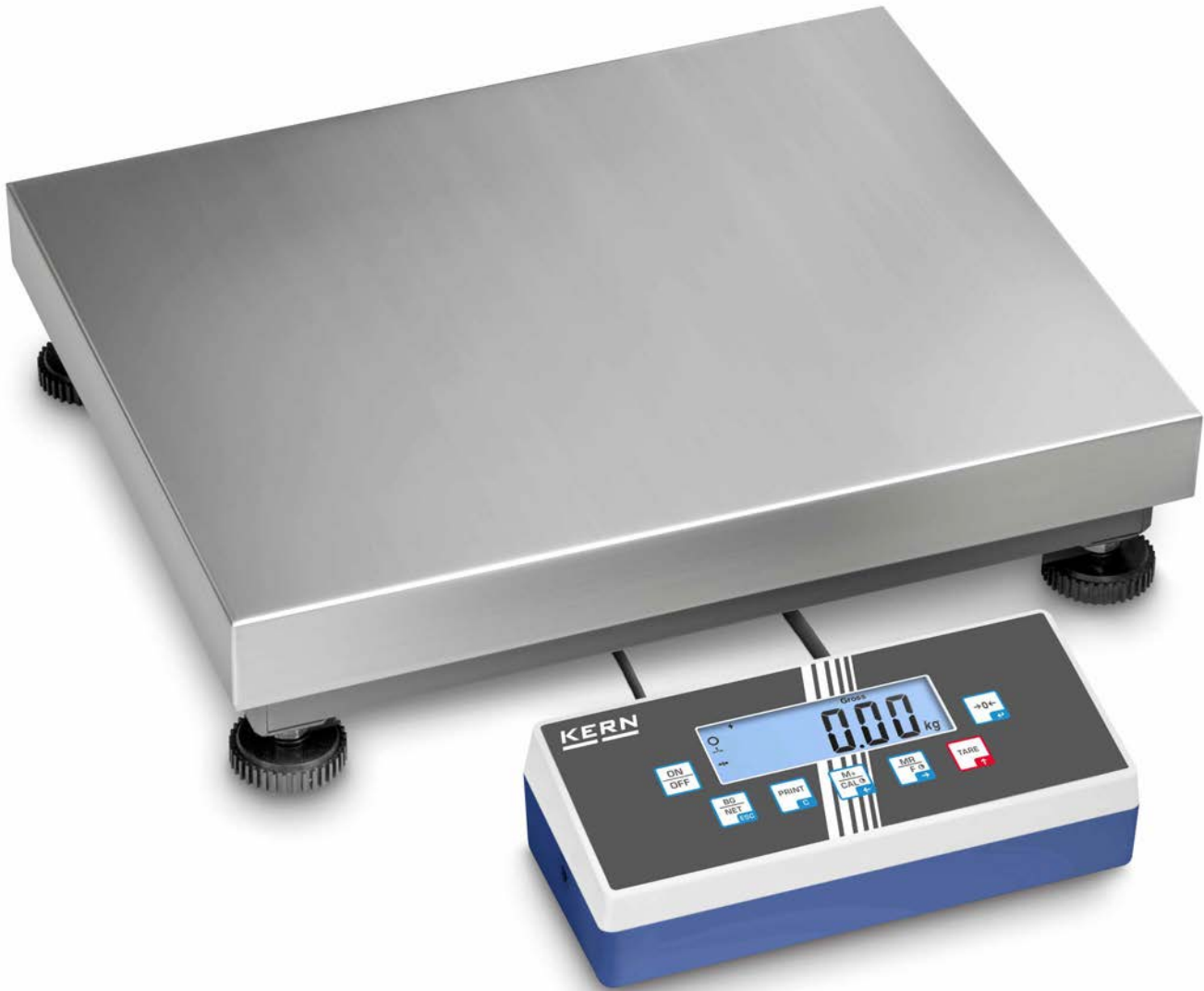
STANDARD



OPTION



Model	Weighing capacity [Max] kg	Readability [d] g	Reproducibility g	Linearity g	Smallest part weight [Normal] g/piece	Cable length approx. m	Net weight approx. kg	Weighing plate	Price excl. of VAT ex works €	Option	
										DAkKS KERN	Calibr. Certificate €
Dual-range balance switches automatically to the next largest weighing capacity [Max] and readability [d]											
DE 6K1D	3   6	1   2	1   2	± 3   6	40	1,4	4,8	A	185,-	963-128	88,-
DE 15K2D	6   15	2   5	2   5	± 6   15	100	1,4	4,8	A	185,-	963-128	88,-
DE 35K5D	15   35	5   10	5   10	± 15   30	100	1,4	4,8	A	185,-	963-128	88,-
DE 35K5DL	15   35	5   10	5   10	± 15   30	100	1,4	16	D	315,-	963-128	88,-
DE 60K10D	30   60	10   20	10   20	± 30   60	200	1,4	4,8	A	185,-	963-129	105,-
DE 60K10DL	30   60	10   20	10   20	± 30   60	200	1,4	16	D	315,-	963-129	105,-
DE 150K20D	60   150	20   50	20   50	± 60   150	400	1,6	5,0	A	195,-	963-129	105,-
DE 150K20DL	60   150	20   50	20   50	± 60   150	400	1,4	16	D	315,-	963-129	105,-
DE 150K20DXL	60   150	20   50	20   50	± 60   150	400	1,4	28	E	450,-	963-129	105,-
DE 300K50D	150   300	50   100	50   100	± 150   300	2000	1,25	16	D	315,-	963-129	105,-
DE 300K50DL	150   300	50   100	50   100	± 150   300	2000	1,05	28	E	450,-	963-129	105,-
Dual-range balance with high resolution readability											
DE 6K0.5A	6	0,5	0,5	± 1,5	10	1,4	4,8	A	215,-	963-128	88,-
DE 12K1A	12	1	1	± 3	20	1,4	4,8	A	215,-	963-128	88,-
DE 24K2A	24	2	2	± 6	40	1,4	4,8	A	215,-	963-128	88,-
DE 60K5A	60	5	5	± 15	100	1,4	4,8	A	215,-	963-129	105,-
DE 120K10A	120	10	10	± 30	200	1,4	5,0	A	215,-	963-129	105,-
DE 15K0.2D	6   15	0,2   0,5	0,2   0,5	± 0,8   2	4	1	4	B	335,-	963-128	88,-
DE 35K0.5D	15   35	0,5   1	0,5   1	± 2   4	10	1	7	B	335,-	963-128	88,-
DE 60K1D	30   60	1   2	1   2	± 4   8	20	1,47	7	B	335,-	963-129	105,-
DE 60K1DL	30   60	1   2	1   2	± 4   8	20	1,4	15	C	435,-	963-129	105,-
DE 150K2D	60   150	2   5	2   5	± 8   20	40	1,6	7	B	340,-	963-129	105,-
DE 150K2DL	60   150	2   5	2   5	± 8   20	40	1,4	15	C	435,-	963-129	105,-
DE 300K5DL	150   300	5   10	5   10	± 20   40	100	1,4	15	C	435,-	963-129	105,-



09

Robust and high-resolution platform scale with practical Flip/Flop display device for greatest ease of use



**Weighing instead of counting!**

Because the counting function is so easy to use, you can rapidly record large numbers of small parts – which saves time and money

**Practical Flip/Flop display device:** flexible positioning e.g. free-standing or screwed to the wall (optional). By rotating the upper housing shell you can determine the angle of the display as well as the cable outlet.

Factory Option ex works for an additional cost, delivery time + 2 working days, KERN KIB-M01, see Accessories on the right, please indicate when placing your order



**Features**

- **High mobility:** thanks to rechargeable battery operation (optional), compact, lightweight construction, it is suitable for the use in several locations (laboratory, production, quality control, commissioning etc.)
- **1 Platform:** weighing plate stainless steel, painted steel base, silicone-coated aluminium load cell, protection against dust and water splashes IP65. **Level indicator and levelling feet** for precise levelling of the scale, fitted as standard, to give the most accurate weighing result
- **Weighing with tolerance range (check-weighing):** a visual and audible signal helps with portioning, dispensing or grading
- **Hold function:** When the weighing conditions are unstable, a stable weight is calculated determining an average value
- **Benchtop stand incl. wall mount** for display device as standard
- **Protective working cover** included with delivery

- **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

**Technical data**

- Large backlit LCD display, digit height 24 mm
- Weighing plate dimensions W×D×H
  - A 300×300×110 mm
  - B 500×400×120 mm, see larger picture
  - C 600×500×150 mm
  - D 950×500×60 mm
- Dimensions of display device W×D×H 268×115×80 mm
- Permissible ambient temperature -10 °C/40 °C

**Accessories**

- **Protective working cover**, scope of delivery: 5 items, KERN EOC-A01S05, **€ 40,-**
- **Internal rechargeable battery pack**, operating time up to 43 h without backlight, charging time approx. 3 h, KERN KFB-A01, **€ 35,-**
- **2 Stand** to elevate display device, height of stand approx. 330 mm, KERN EOC-A05, **€ 60,-**
- **3 Mount** to fasten the display device to the platform, KERN EOC-A03, **€ 30,-**
- **Benchtop stand incl. wall mount** for display device, **Benchtop stand incl. wall mount** for display device, KERN EOC-A04, **€ 30,-**
- **Conversion of the display device**, to move the cable outlet to the front of the display device, ideal e.g. for subsequent wall installation of the display device (standard configuration ex works: rear outlet), Factory Option, delivery time + 2 working days, KERN KIB-M01, **€ 95,-**

STANDARD

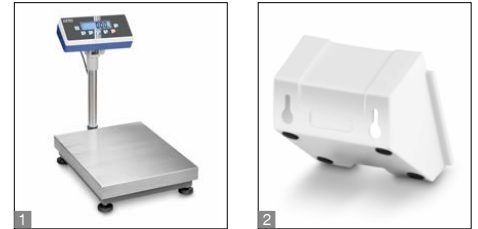
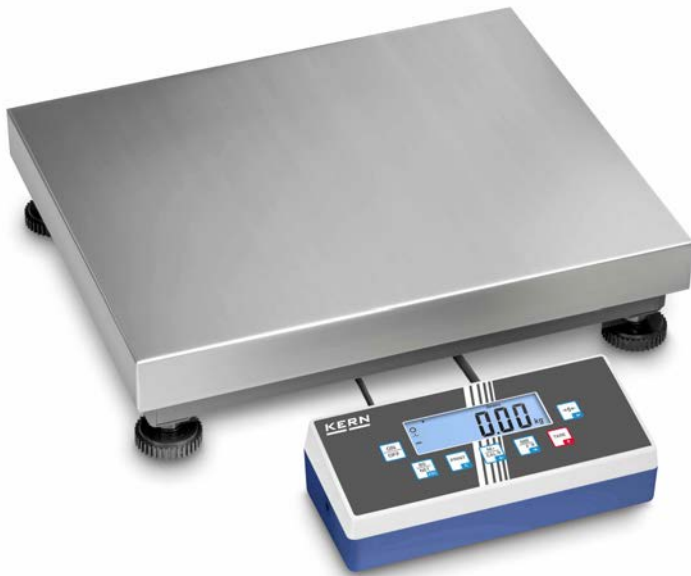
CAL EXT | RS 232 | KCP | GLP | PCS | SUM | PERCENT | TOL | MOVE | IP 65 | MULTI | DMS | 1 DAY

OPTION

ACCU | DAKKS | +3 DAYS

Model	Weighing capacity [Max] kg	Readability [d] g	Smallest part weight [Normal] g/piece	Cable length approx. m	Net weight approx. kg	Weighing plate	Price excl. of VAT ex works €	Option	
								DAkKS KERN	Calibr. Certificate €
EOC 6K-3	3   6	1   2	2,5	3	6	A	270,-	963-128	88,-
EOC 10K-3	6   12	2   5	5	3	7	A	270,-	963-128	88,-
EOC 30K-3	15   35	5   10	10	3	6	A	280,-	963-128	88,-
EOC 30K-3L	15   35	5   10	10	3	9	B	330,-	963-128	88,-
EOC 60K-2	30   60	10   20	20	3	6	A	280,-	963-129	105,-
EOC 60K-2L	30   60	10   20	20	3	9	B	330,-	963-129	105,-
EOC 100K-2	60   150	20   50	50	3	6	A	280,-	963-129	105,-
EOC 100K-2L	60   150	20   50	50	3	9	B	330,-	963-129	105,-
EOC 100K-2XL	60   150	20   50	50	3	19	C	470,-	963-129	105,-
EOC 100K-2XXL	60   150	20   50	100	0,7 - 2,7	26	D	490,-	963-129	105,-
EOC 300K-2	150   300	50   100	100	3	9	B	330,-	963-129	105,-
EOC 300K-2L	150   300	50   100	100	3	19	C	470,-	963-129	105,-
Dual-range balance switches automatically to the next largest weighing capacity [Max] and readability [d]									
EOC 10K-4	6   15	0,2   0,5	5	3	7	A	310,-	963-128	88,-
EOC 30K-4S	15   35	0,5   1	10	3	9	A	310,-	963-128	88,-
EOC 30K-4	15   35	0,5   1	10	3	9	B	340,-	963-128	88,-
EOC 60K-3	30   60	1   2	20	3	6	A	310,-	963-129	105,-
EOC 60K-3L	30   60	1   2	20	3	9	B	340,-	963-129	105,-
EOC 100K-3	60   150	2   5	50	3	7	A	310,-	963-129	105,-
EOC 100K-3L	60   150	2   5	50	3	9	B	340,-	963-129	105,-
EOC 300K-3	150   300	5   10	100	3	9	B	340,-	963-129	105,-

**NEW** New model



## Allround platform scale with a wide range of communication options and EC type approval [M]

### Features

- **Industry 4.0:** A wide range of (optional) data interfaces allows that it is easy to transfer weighing data to tablets, laptops, PCs, networks, Smartphones, printers, etc.
- **High mobility:** thanks to rechargeable battery operation (optional), compact, lightweight construction, it is suitable for the use in several locations (laboratory, production, quality control, commissioning etc.)
- **Platform:** weighing plate stainless steel, painted steel base, silicone-coated aluminium load cell, protection against dust and water splashes IP65
- **Level indicator and levelling feet** for precise levelling of the scale, fitted as standard, to give the most accurate weighing result
- **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

### Technical data

- Large backlit LCD display, digit height 24 mm
- Weighing plate dimensions W×D×H
  - A 300×300×110 mm
  - B 400×300×110 mm
  - C 500×400×120 mm, see larger picture
  - D 650×500×150 mm
  - E 800×600×200 mm
- Dimensions of display device W×D×H 260×115×70 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 EOC-A01S05, € 40,-

- **1 Stand** to elevate display device, height of stand approx. 330 mm, KERN EOC-A05, € 60,-
- **Mount to fasten the display device** to the platform, KERN EOC-A03, € 30,-
- **2 Benchtop stand incl. wall mount** for display device, KERN EOC-A04, € 30,-
- **Rechargeable battery pack internal**, operating time up to 26 h with backlight, charging time approx. 3 h, KERN KFB-A01, € 35,-
- **USB data interface**, must be ordered at purchase, KERN KIB-A03, € 120,-
- **Bluetooth data interface**, must be ordered at purchase, KERN KIB-A04, € 110,-
- **WiFi interface** must be ordered at purchase, KERN KIB-A10, € 55,-
- **Ethernet data interface**, to connect an IP-based Ethernet network, must be ordered at purchase, KERN KIB-A02, € 150,-
- **Signal lamp, including interface**, for visual support of weighing with tolerance range, must be ordered at purchase, KERN KIB-A06, € 320,-
- **Verification plug**, for verified balances this enables you to separate the display device and platform without affecting the verification, e.g. for installing the scale in a packing and dispatch table, pit frame etc. at a later date. Please order this at the same time as you purchase your scale, KERN KIB-A12, € 80,-
- **Conversion of the display device**, to move the cable outlet to the front of the display device, ideal e.g. for subsequent wall installation of the display device (standard configuration ex works: rear outlet), Factory Option, delivery time + 2 working days, KERN KIB-M01, € 95,-
- Note: In addition to the RS-232 data interface, which is integrated as standard, only one other data interface can be installed and operated

STANDARD															OPTION		FACTORY					
CAL EXT	RS 232	KCP	GLP	PCS	SUM	PERCENT	TOL	MOVE	IP 65	MULTI	DMS	1 DAY	2 DAYS	ACCU	DAkkS	ALIBI	USB	BT 4.0	WLAN	LAN	M	

Model	Weighing capacity [Max] kg	Readability [d] g	Verification value [e] g	Minimal load [Min] g	Weighing plate	Price excl. of VAT ex works €	Option			
							Verification		DAkkS Calibr. Certificate	
							M	KERN	€	DAkkS KERN
IOC 6K-3M	3   6	1   2	1   2	20   40	B	320,-	965-228	70,-	963-128	88,-
IOC 10K-3M	6   15	2   5	2   5	40   100	A	295,-	965-228	70,-	963-128	88,-
IOC 10K-3LM	6   15	2   5	2   5	40   100	C	360,-	965-228	70,-	963-128	88,-
IOC 30K-3M	15   30	5   10	5   10	100   200	C	360,-	965-228	70,-	963-128	88,-
IOC 60K-2M	30   60	10   20	10   20	200   400	C	370,-	965-229	93,-	963-129	105,-
IOC 60K-2LM	30   60	10   20	10   20	200   400	D	465,-	965-229	93,-	963-129	105,-
IOC 100K-2M	60   150	20   50	20   50	400   1000	D	465,-	965-229	93,-	963-129	105,-
IOC 100K-2LM	60   150	20   50	20   50	400   1000	E	625,-	965-229	93,-	963-129	105,-
IOC 300K-2M	150   300	50   100	50   100	1000   2000	E	650,-	965-229	93,-	963-129	105,-
IOC 600K-1M	300   600	100   200	100   200	2000   4000	F	790,-	965-230	132,-	963-130	165,-

\* Verification not in combination with KERN KIB-A02, KIB-A03, KIB-A04, KIB-A10

Price reduction



**Accessories**

- **Protective working cover**, scope of delivery: 5 items, KERN KFB-A02S05, **€ 40,-**
- **Stand** to elevate display device, for models with weighing plate size
  - : Height of stand approx. 330 mm, KERN IFB-A01, **€ 50,-**
  - : Height of stand approx. 600 mm, KERN IFB-A02, **€ 60,-**
  - : Height of stand approx. 800 mm, **Stand** to elevate display device, height of stand approx. 800 mm, KERN BFS-A07, **€ 120,-**
- **Rechargeable battery pack internal**, operating time up to 35 h, without backlight, charging time approx. 12 h, must be ordered at purchase, KERN KFB-A01, **€ 35,-**
- **Bluetooth data interface** for wireless data transfer to PC or tablets, must be ordered at purchase, not in combination with verification, KERN KFB-A03, **€ 130,-**
- Analogue module, e.g. for connection to Siemens SPS® controls, must be ordered at purchase, not possible in combination with signal lamp 0-10 V: KERN KFB-A04, **€ 95,-**  
4-20 mA: KERN KFB-A05, **€ 95,-**
- **Signal lamp** 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,-**

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

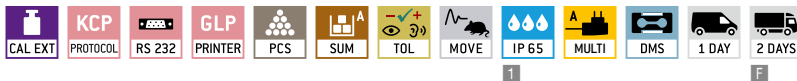
**Features**

- **Tough industry standard** suitable for use in harsh industrial applications
- **Platform:** weighing plate stainless steel, painted steel base, silicone-coated aluminium load cell, protection against dust and water splashes IP65
- **Benchtop stand incl. wall mount** for display device as standard
- **Protective working cover** included with delivery

**Technical data**

- Large backlit LCD display, digit height 52 mm
- Weighing plate dimensions, stainless steel W×D×H
  - 230×230×110 mm, ■ 300×240×110 mm
  - 400×300×128 mm, ■ 500×400×130 mm
  - 650×500×142 mm, ■ 800×600×200 mm
- Dimensions of display device W×D×H 230×230×360 mm
- Cable length of display device approx. 3 m
- Permissible ambient temperature -10 °C/40 °C

STANDARD



OPTION FACTORY



Model	Weighing capacity [Max] kg	Readability [d] g	Verification value [e] g	Minimal load [Min] g	Net weight approx. kg	Weighing plate	Price excl. of VAT ex works €	Option					
								Verification	€	DAkKS	Calibr. Certificate		
KERN								M	KERN	€	DAkKS	KERN	€
IFB 3K-4	3	0,1	-	-	6	A	350,-	-	-	-	963-127	72,-	
IFB 6K-4S	6	0,2	-	-	6	A	340,-	-	-	-	963-128	88,-	
IFB 6K-4	6	0,2	-	-	6	B	350,-	-	-	-	963-128	88,-	
IFB 10K-4	15	0,5	-	-	6	B	320,-	-	-	-	963-128	88,-	
IFB 10K-4L	15	0,5	-	-	10	C	390,-	-	-	-	963-128	88,-	
IFB 30K-3	30	1	-	-	10	C	390,-	-	-	-	963-128	88,-	
IFB 60K-3	60	2	-	-	10	C	390,-	-	-	-	963-129	105,-	
IFB 60K-3L	60	2	-	-	14	D	490,-	-	-	-	963-129	105,-	
IFB 100K-3	150	5	-	-	11	D	490,-	-	-	-	963-129	105,-	
IFB 100K-3L	150	5	-	-	20	E	690,-	-	-	-	963-129	105,-	
IFB 300K-2	300	10	-	-	20	E	690,-	-	-	-	963-129	105,-	
IFB 600K-2	600	20	-	-	65	F	790,-	-	-	-	963-130	165,-	
Dual-range balance switches automatically to the next largest weighing capacity [Max] and readability [d]													
IFB 6K-3SM	3   6	1   2	1   2	20   40	4,6	A	350,-	965-228	70,-	-	963-128	88,-	
IFB 6K1DM	3   6	1   2	1   2	20   40	6	B	335,-	965-228	70,-	-	963-128	88,-	
IFB 15K2DM	6   15	2   5	2   5	40   100	6	B	335,-	965-228	70,-	-	963-128	88,-	
IFB 15K2DLM	6   15	2   5	2   5	40   100	10	C	400,-	965-228	70,-	-	963-128	88,-	
IFB 30K5DM	15   30	5   10	5   10	100   200	10	C	390,-	965-228	70,-	-	963-128	88,-	
IFB 60K10DM	30   60	10   20	10   20	200   400	10	C	410,-	965-229	93,-	-	963-129	105,-	
IFB 60K10DLM	30   60	10   20	10   20	200   400	13	D	505,-	965-229	93,-	-	963-129	105,-	
IFB 150K20DM	60   150	20   50	20   50	400   1000	14	D	495,-	965-229	93,-	-	963-129	105,-	
IFB 150K20DLM	60   150	20   50	20   50	400   1000	20	E	665,-	965-229	93,-	-	963-129	105,-	
IFB 300K50DM	150   300	50   100	50   100	1000   2000	22	E	665,-	965-229	93,-	-	963-129	105,-	
IFB 600K-1M	300   600	100   200	100   200	2000   4000	65	F	930,-	965-230	132,-	-	963-130	165,-	

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.

Price reduction





## Precision industrial scale with laboratory accuracy

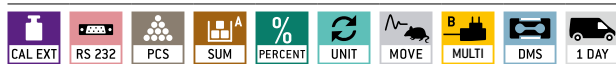
### Features

- **High-capacity precision balance**, ideal for high volume or heavy samples to be weighed with a high degree of accuracy
- **User guidance step by step** on display by Yes/No dialogue
- Numerical subtraction of tare weight for known container weight. Useful for checking fill-levels
- **Precise counting**: The automatic reference weight optimisation of reference weight gradually improves the average piece weight value
- KERN DS: **Freely programmable weighing unit**, e.g. display direct in special units such as length of wire g/m, surface weight g/m<sup>2</sup>, or else
- **Protective working cover** included with delivery

### Technical data

- Large backlit LCD display, digit height 18 mm
- Weighing plate dimensions, stainless steel W×D×H
  - A 228×228×95 mm
  - B 308×318×75 mm, see larger picture
  - C 450×350×115 mm
- Dimensions of display device W×D×H 225×115×60 mm
- Cable length of display device approx.
  - A, B 2 m
  - C 0,6 m
- Permissible ambient temperature 10 °C/40 °C

#### STANDARD



#### OPTION



Model	Weighing capacity [Max] kg	Readability [d] g	Smallest part weight [Normal] g/piece	Net weight approx. kg	Resolution Points	Weighing plate	Price excl. of VAT ex works €	Option	
								DAKKS	DAKKS Calibr. Certificate
<b>KERN</b>									
DS 3K0.01S	3	0,01	0,1	4,2	300.000	A	640,-	963-127	72,-
DS 5K0.05S	5	0,05	0,5	4,2	100.000	A	560,-	963-127	72,-
DS 8K0.05	8	0,05	0,5	8	160.000	B	550,-	963-128	88,-
DS 10K0.1S	10	0,1	1	4,2	100.000	A	530,-	963-128	88,-
DS 16K0.1	16	0,1	1	9	160.000	B	550,-	963-128	88,-
DS 20K0.1	20	0,1	1	8	200.000	B	580,-	963-128	88,-
DS 30K0.1	30	0,1	1	8	300.000	B	610,-	963-128	88,-
DS 30K0.1L	30	0,1	1	10	300.000	C	720,-	963-128	88,-
DS 36K0.2	36	0,2	2	8	180.000	B	550,-	963-128	88,-
DS 36K0.2L	36	0,2	2	10	180.000	C	660,-	963-128	88,-
DS 60K0.2	60	0,2	2	10	300.000	C	740,-	963-129	105,-
DS 65K0.5	65	0,5	5	10	130.000	C	700,-	963-129	105,-
DS 100K0.5	100	0,5	5	10	200.000	C	740,-	963-129	105,-
DS 150K1	150	1	10	10	150.000	C	740,-	963-129	105,-

### Accessories

- **Protective working cover** over the display device, scope of delivery: 5 items, KERN DE-A12S05, **€ 40,-**
- **1 Stand** to elevate display device, for models with weighing plate size B, C, height of stand approx. 480 mm, KERN DE-A10, **€ 100,-**
- **Mount to fasten the display device to the platform**, for models with weighing plate size B, C, can be reordered, KERN DE-A11N, **€ 35,-**
- **Wall mount** for display device, KERN DS-A02, **€ 30,-**
- **2 Set for underfloor weighing**, consists of platform, bow, hook, only for models with weighing plate B, KERN DS-A01, **€ 200,-**
- **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,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*



## Platform scale with dust and spray protection IP65 and EC type approval [M]

### Features

- Platform scale protected to IP65 with stainless steel display device, for industrial applications, hygienic and easy to clean
- 1 Platform:** weighing plate stainless steel, painted steel base, silicone-coated aluminium load cell, protection against dust and water splashes IP65
- Display device:** stainless steel, protection against dust and water splashes IP65, flexible positioning, e.g. free-standing or mounted to the wall, for details see KERN KFE-TNM
- Weighing with tolerance range (check-weighing):** a visual and audible signal helps with portioning, dispensing or grading
- Hold function:** When the weighing conditions are unstable, a stable weight is calculated determining an average value

### Technical data

- Large backlit LCD display, digit height 22 mm
- Weighing plate dimensions, stainless steel W×D×H
  - A** 300×240×110 mm, see larger picture
  - B** 400×300×130 mm
  - C** 500×400×140 mm
  - D** 650×500×140 mm
- Dimensions of display device W×D×H 195×118×83 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

- Stand** to elevate display device, for models with weighing plate size
  - A-D:** Height of stand approx. 200 mm, Type **2** KERN SFE-A01, **€ 55,-**
  - B-D:** Height of stand approx. 400 mm, Type **2** KERN SFE-A02, **€ 55,-**
  - C-D:** Height of stand approx. 600 mm, Type **3** KERN SFE-A03, **€ 65,-**
- 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	Net weight approx. kg	Weighing plate	Price excl. of VAT ex works €	Option			
								Verification		DAkkS Calibr. Certificate	
								M III KERN	€	DAkkS KERN	€
SFE 6K-3NM	6	2	2	40	6	A	370,-	965-228	70,-	963-128	88,-
SFE 10K-3NM	15	5	5	100	6	A	360,-	965-228	70,-	963-128	88,-
SFE 10K-3LNM	15	5	5	100	10	B	420,-	965-228	70,-	963-128	88,-
SFE 30K-2NM	30	10	10	200	6	A	360,-	965-228	70,-	963-128	88,-
SFE 60K-2NM	60	20	20	400	10	B	410,-	965-229	93,-	963-129	105,-
SFE 60K-2LNM	60	20	20	400	14	C	520,-	965-229	93,-	963-129	105,-
SFE 100K-2NM	150	50	50	1000	10	B	430,-	965-229	93,-	963-129	105,-
SFE 100K-2LNM	150	50	50	1000	14	C	520,-	965-229	93,-	963-129	105,-
SFE 100K-2XLNM	150	50	50	1000	22	D	660,-	965-229	93,-	963-129	105,-
SFE 300K-1LNM	300	100	100	2000	20	D	660,-	965-229	93,-	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.

Price reduction



09

Platform scale with stainless steel display device with IP68 rating, XL-display and EC type approval [M] – now also as high resolution version with high-resolution display



Piece-counting function



Durable stainless steel weighing plate



Stainless steel display device with IP68 protection, hygienic and easy to clean



**Features**

- **Tough industry standard** suitable for use in harsh industrial applications
- **1 Platform:** weighing plate stainless steel, painted steel base, silicone-coated aluminium load cell, protection against dust and water splashes IP65, Substruction in wing design, extremely resistant to bending
- **Superior display size:** digit height 55 mm, bright backlight for easy reading of weighing results, even in poor lighting conditions
- **2 Display device:** stainless steel, protection against dust and water splashes IP68, integrated power supply
- **ESD drain to protect against electrostatic discharge** e.g. for electrostatically-charged weighing objects or people who work with the scale
- 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**

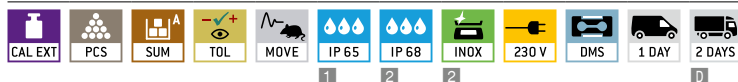
- Large backlit LCD display, digit height 55 mm
- Weighing plate dimensions, stainless steel W×D×H
  - A** 300×240×86 mm
  - B** 400×300×89 mm
  - C** 500×400×123 mm
  - D** 650×500×133,5 mm
- Dimensions of display device W×D×H 232×170×80 mm
- Cable length of display device approx. 2,5 m
- Permissible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

**Accessories**

- **3 Stand** to elevate display device
  - A-D** Height of stand approx. 50 mm, KERN IXS-A01, **€ 55,-**
  - 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,-**
- **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,-**
- **Foot switch**, must be ordered at purchase, KERN KXS-A03, **€ 130,-**
- **Roller conveyor attachment**, with smooth-running, hot-dip galvanised steel rollers with ball bearings, robust aluminium profile frame, KERN YRO-01, **€ 660,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

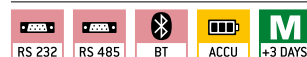
STANDARD



OPTION



FACTORY



Model	Weighing range [Max] kg	Readability [d] g	Verification value [e] g	Minimal load [Min] g	Net weight approx. kg	Weighing plate	Price excl. of VAT ex works €	Option			
								Verification		DAkKS Calibr. Certificate	
KERN								M III KERN	€	DAkKS KERN	€
IXS 6K-4	6	0,2	-	-	6	A	520,-	-	-	963-128	88,-
IXS 10K-4	15	0,5	-	-	6	A	520,-	-	-	963-128	88,-
IXS 10K-4L	15	0,5	-	-	11	B	590,-	-	-	963-128	88,-
IXS 30K-3	30	1	-	-	11	B	590,-	-	-	963-128	88,-
IXS 30K-3L	30	1	-	-	22	C	720,-	-	-	963-128	88,-
IXS 60K-3	60	2	-	-	11	B	590,-	-	-	963-129	105,-
IXS 60K-3L	60	2	-	-	22	C	720,-	-	-	963-129	105,-
IXS 100K-3	150	5	-	-	22	C	720,-	-	-	963-129	105,-
IXS 100K-3L	150	5	-	-	36	D	790,-	-	-	963-129	105,-
IXS 300K-2	300	10	-	-	36	D	790,-	-	-	963-129	105,-
Dual-range balance switches automatically to the next largest weighing capacity [Max] and readability [d]											
IXS 6K-3M	3   6	1   2	1   2	20   40	6	A	520,-	965-228	70,-	963-128	88,-
IXS 10K-3M	6   15	2   5	2   5	40   100	6	A	520,-	965-228	70,-	963-128	88,-
IXS 10K-3LM	6   15	2   5	2   5	40   100	11	B	590,-	965-228	70,-	963-128	88,-
IXS 30K-2M	15   30	5   10	5   10	100   200	11	B	590,-	965-228	70,-	963-128	88,-
IXS 30K-2LM	15   30	5   10	5   10	100   200	22	C	720,-	965-228	70,-	963-128	88,-
IXS 60K-2M	30   60	10   20	10   20	200   400	11	B	590,-	965-229	93,-	963-129	105,-
IXS 60K-2LM	30   60	10   20	10   20	200   400	22	C	720,-	965-229	93,-	963-129	105,-
IXS 100K-2M	60   150	20   50	20   50	400   1000	22	C	720,-	965-229	93,-	963-129	105,-
IXS 100K-2LM	60   150	20   50	20   50	400   1000	36	D	790,-	965-229	93,-	963-129	105,-
IXS 300K-2M	150   300	50   100	50   100	1000   2000	36	D	790,-	965-229	93,-	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.

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

PREMIUM



**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 platform scale with enormous range of functions



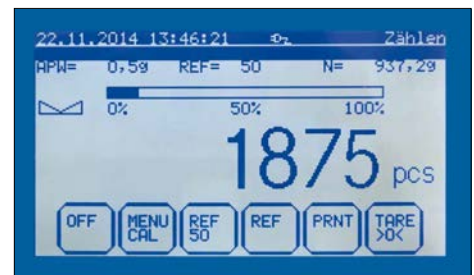
**Easy input of text and values**

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



**Professional counting function**

All relevant counting information at a glance, such as, e.g., reference weight, reference quantity, total count, total weight, tare container weight, available weighing capacity and much more

09

**Features**

- **Convenient recipe weighing:** 99 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 readout
- **Control outputs (optocoupler, digital I/O)** to connect relays, signal lamps, valves etc. (35V/80mA)

**Technical data**

- Large backlit LCD touch display, digit height 18 mm, screen diagonal 5,8" (127×74 mm)
- Weighing plate dimensions, stainless steel W×D×H
  - A 228×228×95 mm
  - B 315×308×75 mm
  - C 450×350×115 mm
  - D 650×500×142 mm
- Dimensions of display device W×D×H 200×155×68 mm
- Cable length of display device approx., for models with weighing plate size
  - A 1 m
  - B, D 2 m
  - C 0,6 m
- Permissible ambient temperature 10 °C/40 °C

**Accessories**

- **Rechargeable battery pack external**, operating time up to 20 h without backlight, charging time approx. 10 h, KERN KS-A01, **€ 160,-**
- **Signal lamp** for visual support of weighing with tolerance range, KERN IKT-A04, **€ 260,-**
- **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,-**
- **Set for underfloor weighing**, consists of platform, bow, hook, only for models with weighing plate B, KERN DS-A01, **€ 200,-**
- **Stand** to elevate display device, for models with weighing plate size B, C, height of stand approx. 480 mm, KERN IKT-A06, **€ 105,-**
- **Wall mount** for display device, KERN IKT-A03, **€ 35,-**
- **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 Density determination, only with B
- ⑪ Rapid function

**Functions**

- Capacity display with ①, ②, ⑤-⑦, ⑨-⑩
- Dispensing aid (-/+), with ③, ④
- Net/gross display, permanent, with ①, ③-⑤, ⑧-⑪
- Variable reference quantity, with ②
- Automatic reference optimisation, with ②
- PRE-TARE numerical or from the memory unit, with ①-⑦, ⑪
- Entering of item or batch description, operator etc., with ①-⑦, ⑪
- Freely programmable weighing unit, e.g. display direct in special units such as length of thread g/m, grammage g/m<sup>2</sup>, or similar, with ⑨
- Date/time, with ①-⑪
- Statistical function, with ①
- GLP printout, with ①-⑪
- 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 ①-⑪

STANDARD



OPTION



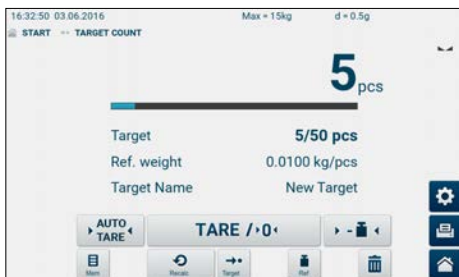
Model	Weighing capacity [Max] kg	Readability [d] g	Smallest part weight [Normal] g/piece	Net weight approx. kg	Weighing plate	Price excl. of VAT ex works €	Option	
							DAkKS Calibr. Certificate	€
KERN							DAkKS KERN	€
IKT 6K0.1	6	0,1	1	8	B	830,-	963-128	88,-
IKT 12K0.2*	12	0,2	2	8	B	830,-	963-128	88,-
IKT 30K0.5	30	0,5	5	8	B	830,-	963-128	88,-
IKT 60K1L	60	1	10	10	C	1050,-	963-129	105,-
IKT 150K2XL	150	2	20	20	D	1200,-	963-129	105,-
IKT 300K5XL	300	5	50	20	D	1200,-	963-129	105,-
IKT 3K0.01S	3	0,01	0,1	6	A	920,-	963-127	72,-
IKT 8K0.05	8	0,05	0,5	8	B	850,-	963-128	88,-
IKT 16K0.1	16	0,1	1	8	B	850,-	963-128	88,-
IKT 30K0.1	30	0,1	1	8	B	850,-	963-128	88,-
IKT 30K0.1L	30	0,1	1	10	C	1150,-	963-128	88,-
IKT 36K0.2*	36	0,2	2	8	B	850,-	963-128	88,-
IKT 36K0.2L	36	0,2	2	10	C	1050,-	963-128	88,-
IKT 60K0.2L	60	0,2	2	10	C	1120,-	963-129	105,-
IKT 65K0.5L	65	0,5	5	10	C	1050,-	963-129	105,-
IKT 100K0.5L	100	0,5	5	10	C	1150,-	963-129	105,-
IKT 150K1L	150	1	10	10	C	1150,-	963-129	105,-

! \*ONLY WHILE STOCKS LAST



09

KERN easytouch platform scale – the intuitive way to weight – now also as high resolution version with high-resolution display



**Convenient piece-counting function**

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).
- **Multiplier function:** recipes and their ingredients can be multiplied at will at the press of a button, which is ideal for the production of larger containers, bulk packs etc.
- **2 Platform:** weighing plate stainless steel, painted steel base, silicone-coated aluminium load cell, protection against dust and water splashes IP65

**Technical data**

- Large backlit LCD touch display, digit height 12 mm, screen diagonal 7" (155×85 mm)
- Weighing plate dimensions W×D×H, stainless steel
  - A** 300×240×100 mm
  - B** 400×300×128 mm, see larger picture
  - C** 500×400×137 mm
  - D** 650×500×142 mm
- Dimensions of display device, W×D×H 252×152×133 mm
- Cable length of display device approx. 3 m
- Permissible ambient temperature -10 °C/40 °C

**Accessories**

- **Stand** to be screwed onto the platform, height of stand approx. 600 mm, KERN SFB-A01, **€ 80,-**
- **Stand** to elevate display device, height of stand approx. 800 mm, KERN BFS-A07, **€ 120,-**
- **Rechargeable battery pack internal**, operating time up to 80 h without backlight, charging time approx. 12 h, must be ordered at purchase, KERN GAB-A04, **€ 40,-**
- **Software** for rapid and easy processing of the database at the PC (exporting, processing, importing), KERN SET-1.0, **€ 150,-**

STANDARD



OPTION



Model	Weighing capacity [Max] kg	Readability [d] g	Reproducibility g	Linearity g	Net weight approx. kg	Weighing plate	Price excl. of VAT ex works €	Option	
								DAkKS KERN	Calibr. Certificate €
IFT 6K-4	6	0,2	0,2	± 0,6	6	A	850,-	963-128	88,-
IFT 10K-4	15	0,5	0,5	± 1,5	6	A	850,-	963-128	88,-
IFT 10K-4L	15	0,5	0,5	± 1,5	9	B	890,-	963-128	88,-
IFT 30K-3	30	1	1	± 3	9	B	890,-	963-128	88,-
IFT 60K-3	60	2	2	± 6	9	B	890,-	963-129	105,-
IFT 60K-3L	60	2	2	± 6	14	C	960,-	963-129	105,-
IFT 100K-3	150	5	5	± 15	14	C	960,-	963-129	105,-
IFT 100K-3L	150	5	5	± 15	22	D	1190,-	963-129	105,-
IFT 300K-2L	300	10	10	± 30	22	D	1190,-	963-129	105,-

**1** ONLY WHILE STOCKS LAST!



**KERN & SOHN GmbH**  
**Balances, Test weights, Microscopes,**  
**DAkkS calibration laboratory**

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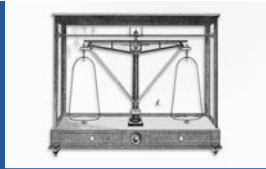
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 www.kern-sohn.com

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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](http://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