

Parcel scale KERN DE-D(SK)



The success story with IP65 display device

Features

- **High mobility:** Battery operation/rechargeable battery pack (optional), compact, flat construction and low weight make this balance ideal for use in several locations (production, warehouse, dispatch department, ...)
- **Flexible positioning of display device:** eg. free-standing or mounted to the wall (optional)
- **Display device IP65.** Protected against dust and water splashes (only when using battery or rechargeable battery pack)
- **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 recall the total weight of all the ingredients
- **Freely programmable weighing unit**, e.g. display directly in special units such as length of thread g/m, paper weight g/m², or similar

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Technical data

- Large backlit LCD display, digit height 25 mm
- Dimensions of weighing plate stainless steel WxDxH
 - A 318x308x75 mm
 - B 318x308x85 mm
 - C 522x406x100 mm
 - D 522x403x90 mm, see larger picture
 - E 650x500x105 mm
- Dimensions of display device WxDxH 225x110x45 mm
- Optional battery operation, 9 V Block, not included
- Permissible ambient temperature 5 °C / 35 °C

Accessories

- **Protective working cover** over the display device, standard, can be reordered, KERN DE-A12
- **Rechargeable battery pack internal**, operating time up to 15 h, charging time approx. 10 h, KERN NDE-A02
- **Mount** to fasten the display device to the platform, KERN DE-A11N
- **Wall mount** for display device, KERN DE-A13
- **Stand** to elevate display device, height of stand approx. 450 mm, KERN DE-A10

- **Individual header data:** the free software KERN SHM-01 can be used to print 4 header lines on the printout for printers 911-013 and YKB-01N
- **Suitable printers** see page 138

STANDARD






































OPTION



Model KERN	Weighing range [Max] kg	Read-out [d] g	Reproducibility g	Linearity g	Min. piece weight [Counting] g/piece	Cable length approx. m	Net weight approx. kg	Weighing plate	Option	
									DKD Calibr.	KERN Certificate
Dual-range balance switches automatically to the next largest weighing range [Max.] and readout [d].										
DE 6K1D	3 6	1 2	1 2	± 3 ± 6	4	1,4	4	A		963-128
DE 15K2D	6 15	2 5	2 5	± 6 ± 15	10	1,4	4	A		963-128
DE 35K5D	15 35	5 10	5 10	± 15 ± 30	10	1,4	4	A		963-128
DE 35K5DL	15 35	5 10	5 10	± 15 ± 30	10	1,4	16	D		963-128
DE 60K10D	30 60	10 20	10 20	± 30 ± 60	20	1,4	4	A		963-129
DE 60K10DL	30 60	10 20	10 20	± 30 ± 60	20	1,4	16	D		963-129
DE 150K20D	60 150	20 50	20 50	± 60 ± 150	40	1,4	4	A		963-129
DE 150K20DL	60 150	20 50	20 50	± 60 ± 150	40	1,4	16	D		963-129
DE 150K20DXL	60 150	20 50	20 50	± 60 ± 150	40	1,4	28	E		963-129
DE 300K50D	150 300	50 100	50 100	± 150 ± 300	100	1,4	16	D		963-129
DE 300K50DL	150 300	50 100	50 100	± 150 ± 300	200	1,4	28	E		963-129
Dual-range balance with high-resolution display										
DE 6K0.5A	6	0,5	0,5	± 1,5	1	1,4	4	A		963-128
DE 12K1A	12	1	1	± 3	2	1,4	4	A		963-128
DE 24K2A	24	2	2	± 6	4	1,4	4	A		963-128
DE 60K5A	60	5	5	± 15	10	1,4	4	A		963-129
DE 120K10A	120	10	10	± 30	20	1,4	4	A		963-129
DE 15K0.2D	6 15	0,2 0,5	0,2 0,5	± 0,8 ± 2	0,4	1	4	B		963-128
DE 35K0.5D	15 35	0,5 1	0,5 1	± 2 ± 4	1	1	4	B		963-128
DE 60K1D	30 60	1 2	1 2	± 4 ± 8	2	1	4	B		963-129
DE 60K1DL	30 60	1 2	1 2	± 4 ± 8	2	1,4	16	C		963-129
DE 150K2D	60 150	2 5	2 5	± 8 ± 20	4	1	4	B		963-129
DE 150K2DL	60 150	2 5	2 5	± 8 ± 20	4	1,4	16	C		963-129
DE 300K5DL	150 300	5 10	5 10	± 20 ± 40	10	1,4	16	C		963-129

KERN Pictograms

 Internal adjusting (CAL): Quick setting of the balance's accuracy with internal adjusting weight (motordriven).	 Recipe level A: Separate memory for the weight of the tare container and the recipe ingredients (net total).	 Rechargeable battery pack: rechargeable set.
 Adjusting program (CAL): For quick setting of the balance's accuracy. External adjusting weight required.	 Recipe level B: Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through displays.	 Mains adapter: 230V/50Hz in standard version for Germany. On request GB, AUS or USA version.
 Memory: Balance contains memories, e.g. for item data, weighing data, tare weights etc. PLU.	 Recipe level C: Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through displays. Additional convenient functions, such as barcode and back calculation functions.	 Power supply: integrated in balance. 230V/50Hz in Germany. More standards e. g. GB, AUS, USA on request.
 Data interface RS-232: To connect the balance to a printer, PC or network.		 Strain gauges: Electrical resistor on an elastic deforming body.
 RS 485 data interface: To connect the balance to a printer, PC or other peripheral devices. High tolerance against electromagnetic disturbance.	 Percentage determination: Determining the deviation in % from the target value (100%).	 Tuning fork principle: A resonating body is electromagnetically excited, causing it to oscillate.
 USB data interface: To connect the balance to a printer, PC or other peripheral devices.	 Weighing units: Can be switched to e. g. non-metric units at the touch of a key. See balance model. Please refer to KERN's website for more details.	 Electromagnetic force compensation: Coil in a permanent magnet. For the most accurate weighings.
 Bluetooth data interface: To transfer data from the balance to a printer, PC or other peripheral devices.	 Weighing with tolerance range: Upper and lower limiting can be programmed individually, e.g. dosing/sorting and portioning.	 Single cell technology: Advanced version of the force compensation principle with the highest level of precision.
 Control outputs (optocoupler, digital I/O): to connect relays, signal lamps, valves, etc.	 Vibration-free weighing: (Animal weighing program) Vibrations are filtered out so that a stable weight is obtained.	 Verification possible: The time required for verification is specified in the pictogram.
 Interface for second balance: for direct connection of a second balance.	 Spray and dust protection IPxx: The type of protection is shown by the pictogram. For details see the glossary.	 DKD calibration possible: The time required for DKD calibration is shown in days in the pictogram.
 Network interface: For connecting the scale to an Ethernet network. With KERN products you can also use a universal RS-232/LAN converter.	 Stainless steel: the balance is protected against corrosion.	 Package shipment: The time required to manufacture the product internally is shown in days in the pictogram.
 GLP/ISO record keeping: of weighing data with date, time and identification-no. Only with printers from KERN.	 Suspended weighing: load support with hook on the underside of the balance.	 Pallet shipment: The time required to manufacture the product internally is shown in days in the pictogram.
 Piece counting: Reference quantities selectable. Display can be switched from piece to weight.	 Battery operation: Ready for battery operation. The battery type is specified for each device.	 Warranty: The warranty period is shown in the pictogram.

Precision is our business

To ensure the high precision of your balance KERN offers you the the appropriate test weight package for your balance, consisting of the test weight, box and DKD certificate, as proof of its accuracy ... the best pre-requisite for proper balance calibration.

In the extensive KERN test weight range, you will find test weights in the international OIML error limit classes: E1, E2, F1, F2, M1, M2, M3 with weights from 1 mg - 2000 kg.

The KERN DKD calibration laboratory for electronic balances and weights has been accredited by DKD since 1994 and today is one of the most modern and best-equipped DKD calibration laboratories for balances, test weights and force-measurement in Europe.

(DKD = German Calibration Service)

Thanks to the high level of automation, we can carry out DKD calibration of balances, test weights and force-measuring devices 24 hours a day, 7 days a week.

Range of services:

- DKD calibration of balances with a maximum load of up to 6 t
- DKD calibration of weights in the range of 1 mg – 500 kg
- Database supported management of checking equipment and reminder service
- Calibration of force-measuring devices
- DKD calibration certificates in the following languages
D, GB, F, I, E, NL, PL

Do you have questions about your scale, the corresponding test weight or the calibration service? Your KERN specialist dealer will be pleased to assist you.

Your KERN specialist dealer: