Parcel scale KERN DE-D

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

Piece counting

Animal weighing

Recipe weighing

Features

- **High mobility:** Battery or rechargeable battery (optional) operation, compact and flat construction and low weight make this scale ideal for use in several locations (production, warehouse, dispatch department etc.)
- **Flexible positioning of display device:** e.g. free-standing or mounted to the wall (optional)

- **1 Display device IP65.** Protected against dust and spray (only when using battery or rechargeable battery pack)
- **Stainless steel weighing plate**, 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^2, or similar

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A

E

2

Technical data

- Large backlit LCD display, digit height 25 mm
- Weighing plate dimensions, stainless steel, WxDxH
  - A 318x308x75 mm
  - B 318x308x85 mm
  - C 522x406x58 mm
  - D 523x405x85 mm, see enlarged picture
  - E 650x500x95 mm
- Dimensions of display device WxDxH 225x110x55 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 re-ordered, scope of delivery: 5 items, KERN DE-A12S05
- **Rechargeable battery pack internal**, operating time up to 15 h, charging time approx. 10 h, can be retrofitted, KERN NDE-A02
- **Mount** to fasten the display device to the platform, can be retrofitted, KERN DE-A11N
- **Wall mount** for display device, can be retrofitted, KERN DE-A13

- 2 **Stand** to elevate display device, height of stand approx. 480 mm, can be retrofitted, KERN DE-A10
- **Individual header data:** the free software KERN SHM-01 can be used to set up 4 header lines on the printout for printers YKN-01 and YKB-01N
- **Suitable printers** and further, extensive accessories from page 177 ff.

STANDARD | OPTION

| CAL EXT | RS 232 | PCS | SUM | PERCENT | UNIT | MOVE | IP 65 | BATT | MULTI | DMS | 1 DAY | 2 YEARS WARRANTY | | ACCU | DAkkS +3 DAYS |

Model KERN	Weighing range [Max] kg	Readout [d] g	Reproduci-bility g	Linearity g	Min. piece weight [Counting] g/piece	Cable length approx. m	Net weight approx. kg	Weighing plate		Option DAkkS Calibr. Certificate DKD KERN
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	200	1,4	16	D		963–129
DE 300K50DL	150 | 300	50 | 100	50 | 100	± 150 | ± 300	200	1,4	28	E		963–129
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
Dual-range balance with high-resolution display										
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: Quick setting up of the balance's accuracy with internal adjusting weight (motordriven).
CAL INT

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

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

Alibi memory: Electronic archiving of weighing results, complying with the 2009/23/EC standard.
ALIBI

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

RS-485 data interface: To connect the balance to a printer, PC or other peripherals. High tolerance against electromagnetic disturbance.
RS 485

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

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

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

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

Interface for second balance: For direct connection of a second balance.
DUAL

Network interface: For connecting the scale to an Ethernet network. With KERN products you can use a universal RS-232/LAN converter.
LAN

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

GLP/ISO log: The balance displays the weight, date and time, regardless of a printer connection.
GLP INTERN

GLP/ISO log: With weight, date and time. Only with KERN printers.
GLP PRINTER

Piece counting: Reference quantities selectable. Display can be switched from piece to weight.
PCS

Recipe level A: Separate memory for the weight of the tare container and the recipe ingredients (net total).
RECIPE A

Recipe level B: Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display.
RECIPE B

Recipe level C: Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display, adjustment of recipe when dosages are exceeded, multiplier function, barcode.
RECIPE C

Totalising level A: The weights of similar items can be added together and the total can be printed out.
SUM A

Totalising level C: Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display, adjustment of recipe when dosages are exceeded, multiplier function, barcode recognition.
SUM C

Percentage determination: Determining the deviation in % from the target value (100 %).
PERCENT

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.
UNIT

Weighing with tolerance range: Upper and lower limiting values can be programmed individually for e.g. dosing, sorting and portioning.
TOL

Hold function: (Animal weighing program) When the weighing conditions are unstable, a stable weight is calculated as an average value.
MOVE

Protection against dust and water splashes IPxx: The type of protection is shown in the pictogram.
IP

ATEX explosion protection: Suitable for use in hazardous industrial environments, in which there is explosion danger. The ATEX marking is specified for each device.
ATEX

Stainless steel: The balance is protected against corrosion.
INOX

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

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

Rechargeable battery pack: Rechargeable set.
ACCU

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

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

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

Weighing principle: Strain gauge Electrical resistor on an elastic deforming body.
DMS

Weighing principle: Tuning fork A resonating body is electromagnetically excited, causing it to oscillate.
T-FORK

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

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

Verification possible: The time required for verification is specified in the pictogram.
M +3 DAYS

DAkkS calibration possible (DKD): The time required for DAkkS calibration is shown in days in the pictogram.
DAkkS +3 DAYS

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

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

Warranty: The warranty period is shown in the pictogram.
3 YEARS WARRANTY

KERN – Precision is our business

To ensure the high precision of your balance KERN offers you the the appropriate test weight in the international OIML error limit classes E1-M3 from 1 mg - 2000 kg. In combination with a DAkkS calibration certificate the best pre-requisite for proper balance calibration.

The KERN DAkkS calibration laboratory today is one of the most modern and best-equipped DAkkS calibration laboratories for balances, test weights and force-measurement in Europe.
Thanks to the high level of automation, we can carry out DAkkS calibration of

balances, test weights and force-measuring devices 24 hours a day, 7 days a week.

Range of services:
- DAkkS calibration of balances with a maximum load of up to 50 t
- DAkkS calibration of weights in the range of 1 mg – 2500 kg
- Database supported management of checking equipment and reminder service
- Calibration of force-measuring devices
- DAkkS calibration certificates in the following languages D, GB, F, I, E, NL, PL

Your KERN specialist dealer: