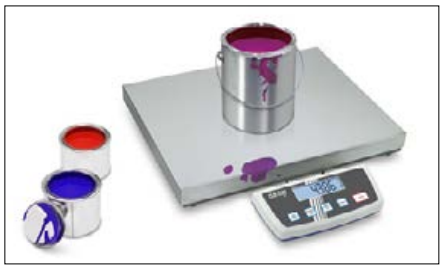
Parcel scale KERN DE-D

A long-term successful model with dust and spray protected display device

Piece counting

Animal weighing



Recipe-weighing

Parcel scale KERN DE-D


A


E


2

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 screwed to the wall
- 1 Display device: Plastics, 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/m², or similar
- Protective working cover included with delivery

Technical data

- Large backlit LCD display, digit height 25 mm
- Weighing plate dimensions, stainless steel
  - A W×D×H 318×308×75 mm
  - B W×D×H 318×308×88 mm
  - C W×D×H 522×403×83 mm, see larger picture
  - D W×D×H 522×406×98 mm
  - E W×D×H 650×500×89 mm
- Dimensions of display device W×D×H 225×110×56 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
- Internal rechargeable battery pack, operating time up to 30 h without backlight, charging time approx. 10 h, KERN NDE-A02
- Mount to fasten the display device to the platform, for models with weighing plate size B, C, KERN DE-A11N
- Wall mount for display device, KERN DE-A13
- 2 Stand to elevate display device, height of stand approx. 480 mm, KERN DE-A10
- 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: CAL EXT, RS 232, GLP PRINTER, PCS, SUM, PERCENT, UNIT, MOVE, IP 65 (1), BATT, MULTI, DMS, 1 DAY

OPTION: ACCU, DAkkS +3 DAYS

Model KERN	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	Option DAkkS Calibr. Certificate DAkkS KERN
Multi-range balance, with increasing load it switches automatically to the next largest weighing range [Max] and readout [d] and when the load is fully removed, the balance switches back to the lower range									
DE 15K0.2D	6 | 15	0,2 | 0,5	0,2 | 0,5	± 0,8 | 2	4	1	4	B	963-128
DE 35K0.5D	15 | 35	0,5 | 1	0,5 | 1	± 2 | 4	10	1	7	B	963-128
DE 60K1D	30 | 60	1 | 2	1 | 2	± 4 | 8	20	1,47	7	B	963-129
DE 60K1DL	30 | 60	1 | 2	1 | 2	± 4 | 8	20	1,4	15	C	963-129
DE 150K2D	60 | 150	2 | 5	2 | 5	± 8 | 20	40	1,6	7	B	963-129
DE 150K2DL	60 | 150	2 | 5	2 | 5	± 8 | 20	40	1,4	15	C	963-129
DE 300K5DL	150 | 300	5 | 10	5 | 10	± 20 | 40	100	1,4	15	C	963-129
DE 6K1D	3 | 6	1 | 2	1 | 2	± 3 | 6	40	1,4	4,8	A	963-128
DE 15K2D	6 | 15	2 | 5	2 | 5	± 6 | 15	100	1,4	4,8	A	963-128
DE 35K5D	15 | 35	5 | 10	5 | 10	± 15 | 30	100	1,4	4,8	A	963-128
DE 35K5DL	15 | 35	5 | 10	5 | 10	± 15 | 30	100	1,4	16	D	963-128
DE 60K10D	30 | 60	10 | 20	10 | 20	± 30 | 60	200	1,4	4,8	A	963-129
DE 60K10DL	30 | 60	10 | 20	10 | 20	± 30 | 60	200	1,4	16	D	963-129
DE 150K20D	60 | 150	20 | 50	20 | 50	± 60 | 150	400	1,5	5	A	963-129
DE 150K20DL	60 | 150	20 | 50	20 | 50	± 60 | 150	400	1,5	16	D	963-129
DE 150K20DXL	60 | 150	20 | 50	20 | 50	± 60 | 150	400	1,4	28	E	963-129
DE 300K50D	150 | 300	50 | 100	50 | 100	± 150 | 300	2000	1,25	16	D	963-129
DE 300K50DL	150 | 300	50 | 100	50 | 100	± 150 | 300	2000	1,05	28	E	963-129
DE 6K0.5A	6	0,5	0,5	± 1,5	10	1,4	4,8	A	963-128
DE 12K1A	12	1	1	± 3	20	1,4	4,8	A	963-128
DE 24K2A	24	2	2	± 6	40	1,4	4,8	A	963-128
DE 60K5A	60	5	5	± 15	100	1,4	4,8	A	963-129
DE 120K10A	120	10	10	± 30	200	1,4	5,0	A	963-129

BALANCES & TEST SERVICE 2023

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 or tablet.

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.

KERN Universal Port (KUP):
allows the connection of external KUP interface adapters, e.g. RS-232, RS-485, SB, Bluetooth, WLAN, Analogue, Ethernet etc. for the exchange of data and control commands, without installation effort

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

WiFi 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

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 weight, date and time, independent of a printer connection

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

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

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. 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.

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 plug-in power supply:
with universal input and optional input socket adapters for
A) EU, CH, GB
B) EU, CH, GB, USA
C) EU, CH, GB, USA, AUS

Plug-in power supply:
230V/50Hz in standard version for EU, CH. On request GB, USA or AUS version available

Integrated power supply unit:
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

Factory calibration (ISO):
The time required for Factory 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

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