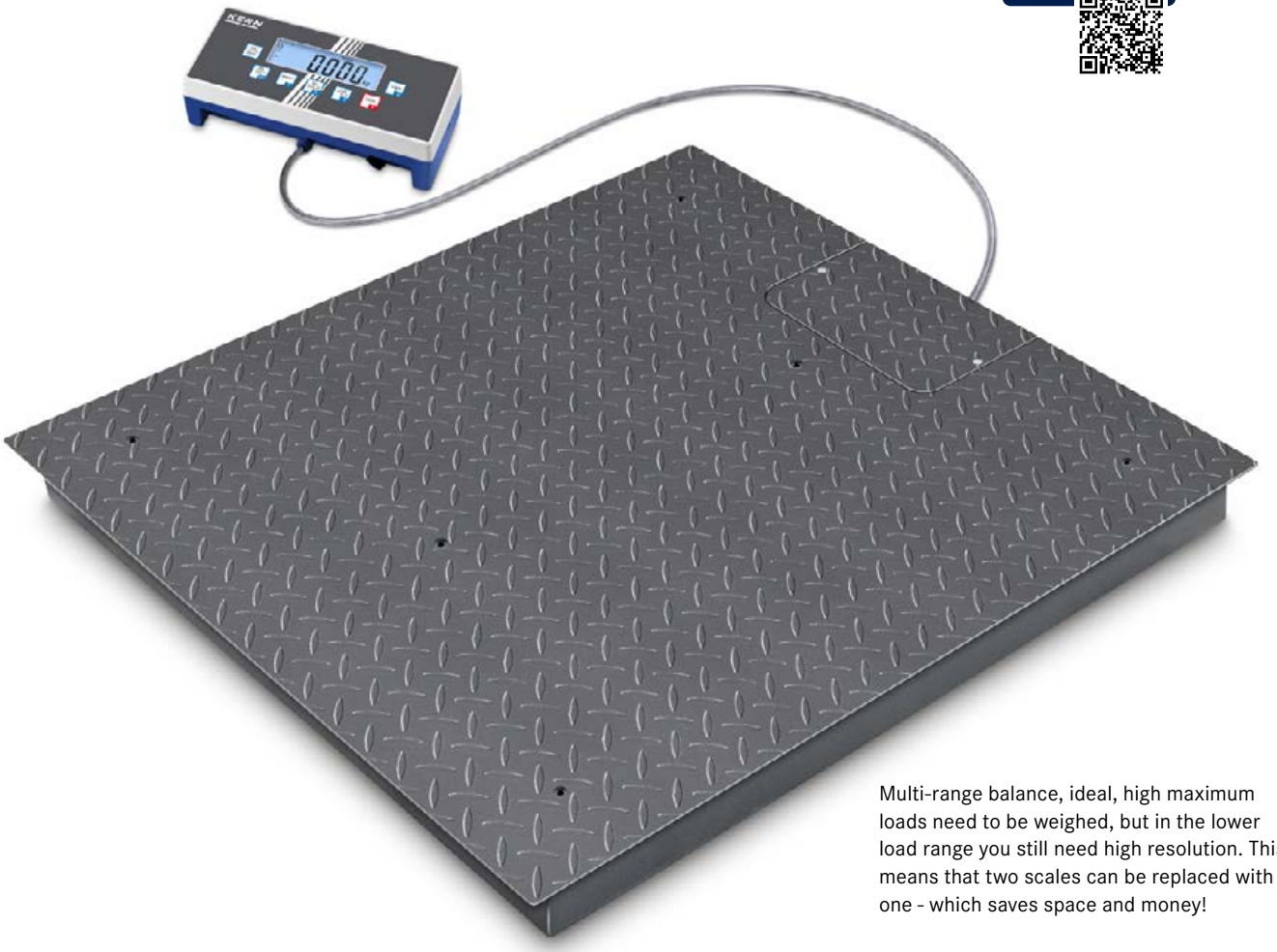
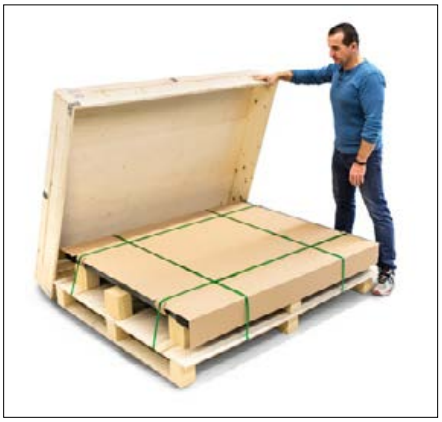
Floor scales KERN BID/BID-D

EasyTouch

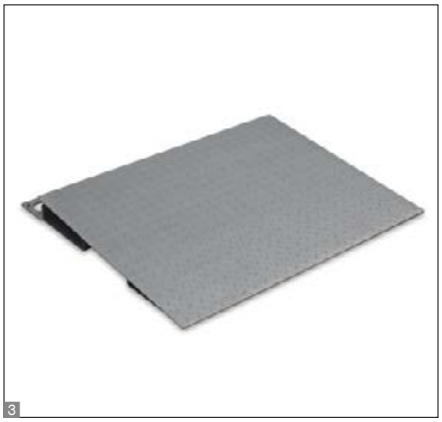


Multi-range balance, ideal, high maximum loads need to be weighed, but in the lower load range you still need high resolution. This means that two scales can be replaced with one - which saves space and money!

Floor scale with EC type approval [M] and the best price-to-performance ratio – now also as high-resolution multi-range balance



Did you know? Our floor scales are delivered in a robust wooden box. This protects the high-quality weighing technology from environmental influences and stresses during transportation. KERN – always one step ahead



3 Access ramp incl. pair of base plates to facilitate access of e.g. wire cage trolleys, shelf trolleys, container trolleys, storage trolleys, sack trucks, transpallets, mobile containers, containers refuse etc.

4 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

Floor scales KERN BID/BID-D

Features

- BID 1T-4EM: Compact special size, especially for weighing europallets
- 1 Weighing bridge out of anti-slip corrugated steel, 4 load cells, alloy steel, silicone-coated, IP67
- Easy levelling of the weighing bridge as well as access to the junction box from above
- 2 Display device: for details see KERN KIB-TM
- Totalising of weights and piece counts
- Thanks to interfaces such as RS-232 or USB, WiFi, Bluetooth, Ethernet (optional), the scale can easily be connected to existing networks. Data exchange between the scale, PC or printer
- 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

Technical data

- Large LCD display, digit height 25 mm
- Weighing plate dimensions, W×D×H
  A 1000×1000×108 mm, B 1200×1000×108 mm
  C 1200×1500×108 mm, D 1500×1500×108 mm
- Dimensions of display device W×D×H 268×115×80 mm
- Cable length of display device approx. 5 m
- Permissible ambient temperature -10 °C/40 °C

Accessories

- Protective working cover, scope of delivery 5 items, KERN EOC-A01S05
- Pair of base plates to fix the weighing bridge to the floor, KERN BIC-A07
- 3 Ascending ramp, steel, powder-coated, for models with weighing plate size
  A, B KERN BIC-A01
  C KERN BIC-A02
  D KERN BIC-A03
- Stable pit frame, Steel, powder-coated, to install the weighing bridge so you can drive straight on, for models with weighing plate size
  A KERN BIC-A04
  B KERN BIC-A08
  C KERN BIC-A05
  D KERN BIC-A06
- Benchtop stand incl. wall mount for display device, KERN EOC-A04
- Internal rechargeable battery pack, operating time up to 43 h without backlight, charging time approx. 3 h, KERN KFB-A01
- USB data interface, for transferring weighing to the PC, printer etc., must be ordered at purchase, KERN KIB-A03
- Bluetooth data interface for wireless data transfer to PC or tablets, must be ordered at purchase, KERN KIB-A04
- WiFi interface for wireless connection of the balance to networks and WiFi capable devices, such as tablets, laptops or smartphones, continuous data transfer, must be ordered at purchase, KERN KIB-A10
- Ethernet data interface, to connect an IP-based Ethernet network, continuous data transfer, must be ordered at purchase, KERN KIB-A02
- Signal lamp, including interface, for visual support of weighing with tolerance range, must be ordered at purchase, KERN KIB-A06
- Alibi memory, for paperless archiving of the weighing results with ID no., gross/net/tare value, date and time, must be ordered at purchase, KERN KIB-A13
- 4 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

Note: For verified scales the weighing bridge must be fixed to the floor. Optionally, with an access ramp, a footplate pair or a pit frame

In addition to the RS-232 data interface, which is integrated as standard, only one other data interface can be installed and operated

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

STANDARD: CAL EXT, RS 232, KCP PROTOCOL, GLP PRINTER, PCS, SUM, PERCENT, TOL, MOVE, IP 65 2, IP 67 1, MULTI, DMS, 2 DAYS
OPTION: ET, ACCU, DAkkS +3 DAYS
FACTORY: ALIBI, USB, BT 4.0, WIFI, SWITCH, LAN, +3 DAYS

Model KERN	Weighing capacity [Max] kg	Readability [d] kg	Verification value [e] kg	Minimal load [Min] kg	Net weight approx. kg	Weighing plate	Option Verification KERN	Option DAkkS Calibr. Certificate KERN
BID 600K-1DS	300 | 600	0,05 | 0,1	–	–	70	A	–	963-130
BID 600K-1D	300 | 600	0,05 | 0,1	–	–	150	A	–	963-130
BID 1T-4DS	600 | 1500	0,1 | 0,2	–	–	70	A	–	963-130
BID 1T-4D	600 | 1500	0,1 | 0,2	–	–	150	C	–	963-130
BID 3T-3D	1500 | 3000	0,2 | 0,5	–	–	150	C	–	963-132
BID 3T-3DL	1500 | 3000	0,2 | 0,5	–	–	155	D	–	963-132
Multi-range balance with high-resolution display, 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								
BID 600K-1DSM	300 | 600	0,1 | 0,2	0,1 | 0,2	2 | 4	70	A	965-230	963-130
BID 600K-1DM	300 | 600	0,1 | 0,2	0,1 | 0,2	2 | 4	150	C	965-230	963-130
BID 1T-4DSM	600 | 1500	0,2 | 0,5	0,2 | 0,5	4 | 10	70	A	965-230	963-130
BID 1T-4DM	600 | 1500	0,2 | 0,5	0,2 | 0,5	4 | 10	150	C	965-230	963-130
BID 3T-3DM	1500 | 3000	0,5 | 1	0,5 | 1	10 | 20	150	C	965-232	963-132
BID 3T-3DLM	1500 | 3000	0,5 | 1	0,5 | 1	10 | 20	155	D	965-232	963-132
BID 600K-1SM	600	0,2	0,2	4	70	A	965-230	963-130
BID 600K-1M	600	0,2	0,2	4	150	C	965-230	963-130
BID 1T-4SM	1500	0,5	0,5	10	70	A	965-230	963-130
BID 1T-4M	1500	0,5	0,5	10	150	C	965-230	963-130
BID 1T-4EM	1500	0,5	0,5	10	85	B	965-230	963-130
BID 1T-4LM	1500	0,5	0,5	10	155	D	965-230	963-130
BID 3T-3M	3000	1	1	20	150	C	965-232	963-132
BID 3T-3LM	3000	1	1	20	155	D	965-232	963-132

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.

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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