PROFESSIONAL MEASURING
SINCE 1844

KERN

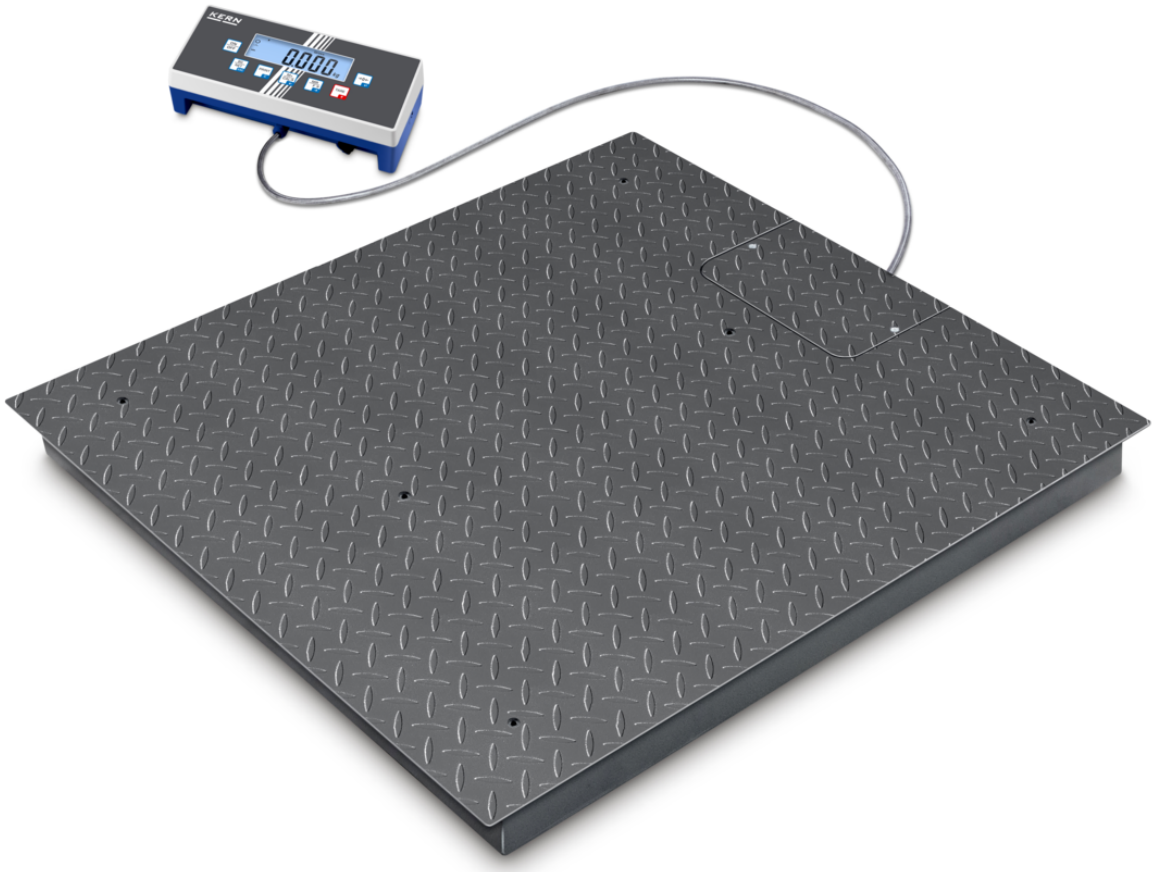
Product brochure

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KERN BID 1T-4SM

Floor scale with the best price-to-performance ratio, verification optional

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APPLICATION EXAMPLE



FEATURES

- Display device: plastic, protection against dust and water splashesIP65. for details see KERN KIB-TM
- 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
- 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 backlit LCD display, digit height 25 mm
- Weighing platform dimensions, steel, powder-coated, W×D×H 1000×1000×108 mm
- Dimensions of display device W×D×H 268×115×80 mm
- Cable length of display device approx. 5 m
- Net weight approx. 70 kg
- Permissible ambient temperature -10 °C/40 °C

MAIN SCOPE OF APPLICATIONS

- Warehouse logistics
- Industry and production
- Wholesale and forwarding
- Order picking
- Logistics and dispatch

PLEASE NOTE FOR YOUR ORDER

- For devices that require verification (conformity assessment according to NAWI 2014/31/EU), please include the verification when placing your order, the initial verification is not possible after delivery. Please inform the full address of the location of use for the initial verification
- For verified scales the weighing bridge must be fixed to the floor. Optionally, with an access ramp, a footplate pair or a pit frame, details see Accessories

PICTOGRAMS

Standard



Option



Factory



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MODEL OVERVIEW

Model	Weighing capacity [Max]	Readability [d]	Verification value [e]	Minimal load [Min]	Cable length	Dimensions weighing surface	Net weight approx.
BID 600K-1M	600 kg	0,2 kg	0,2 kg	4 kg	5 m	1200×1500 mm	150 kg
BID 600K-1SM	600 kg	0,2 kg	0,2 kg	4 kg	5 m	1000×1000 mm	75 kg
BID 1T-4EM	1500 kg	0,5 kg	0,5 kg	10 kg	5 m	1200×1000 mm	85 kg
BID 1T-4LM	1500 kg	0,5 kg	0,5 kg	10 kg	5 m	1500×1500 mm	155 kg
BID 1T-4M	1500 kg	0,5 kg	0,5 kg	10 kg	5 m	1200×1500 mm	150 kg
BID 1T-4SM	1500 kg	0,5 kg	0,5 kg	10 kg	5 m	1000×1000 mm	70 kg
BID 3T-3LM	3000 kg	1 kg	1 kg	20 kg	5 m	1500×1500 mm	155 kg
BID 3T-3M	3000 kg	1 kg	1 kg	20 kg	5 m	1200×1500 mm	150 kg

ACCESSORIES

Model	Description
AFH 13	Converter RS232 to USB AFH 13
BFB-A03	Cable BFB-A03, Cable length approx. 15 m
BIC-A01	Access ramp BIC-A01 (1000×1000×108 mm)
BIC-A04	Pit frame BIC-A04

Model	Description
BIC-A07	Pair of base plates BIC-A07
EOB-A02B	Tripod EOB-A02B, Height of stand approx. 1000 mm
EOC-A01	Protective working cover EOC-A01
EOC-A04	Wall mount for display device EOC-A04
EOC-A12	RS232 interface cable EOC-A12
KFB-A01	Rechargeable battery pack KFB-A01 (Pb, 6 V, 1.2 Ah)
KIB-A01	Alibi memory option KIB-A01, incl. USB interface
KIB-A02	Ethernet interface KIB-A02
KIB-A03	USB Module KIB-A03
KIB-A06	Signal light KIB-A06
KIB-A13	Alibi memory option KIB-A13
YGR-01	ESD grounding plug incl. grounding cable YGR-01
YKA-20	Power adapter YKA-20 (12 V, 1000 mA | 100 V - 240 V AC 50/60 Hz 0.4 A max | EURO, UK, US)
YKC-01	Thermal printer YKC-01
YKH-01	Thermal printer YKH-01
YKI-10	RS232-Ethernet adapter YKI-10 (RS-232 standard, Ethernet, RS-485)
YKI-11	RS232-Ethernet adapter YKI-11 (Ethernet, RS-232 standard - 2x)
YKI-12	RS232-WiFi adapter YKI-12
YKT-01	Needle printer YKT-01

SOFTWARE

Model	Description
SCD-4.0-DL	Software SCD-4.0-DL (Scope of supplies: Download link for 1 license)
SCD-4.0-DLS05	Software SCD-4.0-DLS05 (Scope of supplies: Download link for 5 licenses)
SCD-4.0-PRO-DL	Software SCD-4.0-PRO-DL (Scope of supplies: Download link for 1 license)
SCD-4.0-PRO-DL-AS05	Software SCD-4.0-PRO-DL-AS05 (Scope of supplies: Download link for 5 licenses)

SERVICES

Model	Description
961-250	Adjustment at the location of installation 961-250 (Not in combination with verification)
963-130	DAkkS calibration certificate 963-130

Model	Description
965-230	Verification / Conformity assessment according to NAWI (2014/31/EU) 965-230
969-517	Confirmation of the manufacturer's specification (only in combination with DAkkS calibration certificate)969-517
970-106	Warranty extension (+2 years) 970-106
KIB-M01	Modification of the display device KERN KIB-M01 (to move the cable outlet to the front of the display device)

KERN Pictogram Overview

	External adjustment: Adjusting accuracy using external adjustment weight
	Data interface RS-232: For connection to printers, PCs or other peripheral devices for data transfer over longer distances. Network in bus topology possible
	KERN Communication Protocol (KCP): 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
	Piece counting: Reference quantities selectable. Display can be switched from piece to weight
	Sum function: The weight values of weighed items can be added together and the total printed out
	Percentage determination: determining the deviation in % from the target value (100 %)
	Measuring with tolerance range (checkweighing): Upper and lower limit values can be programmed, e.g. for sorting, portioning or for measuring coatings or material thicknesses. The process is supported by an acoustic and/or optical signal
	Hold function: When the weighing conditions are unstable, a stable weight is calculated as an average value
	Protection against dust and water splashes IP65
	Display device: Protection against dust and water splashes IP65
	Load Cell: Protection against dust and water splashes IP67
	Platform: Protection against dust and water splashes IP67
	Universal plug-in power supply: With universal input and optional input socket adapters for EU, CH, GB or EU, CH, GB, US or EU, CH, GB, US, AUS
	Weighing principle Strain gauges: Electrical resistor on an elastic deforming body
	Pallet shipment: The duration of internal product provision are three days
	Rechargeable battery pack: Rechargeable set
	Accredited calibration (DKD): The duration of the accredited calibration is 3 working days
	Alibi memory: Secure, electronic archiving of measuring results, complying with the 2014/31/EU standard
	Data Interface USB: For connection to printers, PCs or other peripheral devices
	Data interface WiFi: For data transfer to printers, PCs or other peripheral devices
	Network interface: For connecting the measuring device to an Ethernet network
	Conformity assessment: The duration of the conformity assessment is 3 working days

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