PROFESSIONAL MEASURING
SINCE 1844

KERN

Product brochure

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KERN UFA 3T1

Highly versatile weighing beams (IP67) for large loads to 3000 kg

ENGLISH



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APPLICATION EXAMPLE



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FEATURES

- Flexible solution for weighing large, bulky or long items, thanks to freely positionable weighing beams and a 5 m (!) long connecting cable between the beams
- High mobility: thanks to rechargeable battery operation (optional), compact, lightweight construction, it is suitable for the use in several locations
- Weighing beams: steel, painted, 4 silicone-coated aluminium load cells, protection against dust and water splashes IP67, weighing beams can also be delivered as components without the display device, for details see KERN KFA-V20
- Sturdy handles for transporting the weighing beams
- Display device: for details see KERN KFB-TM
- Benchtop stand incl. wall mount for display device as standard
- Totalising of weights and piece counts
- Protective working cover included with delivery
- Our floor scales are delivered in a robust wooden box. This protects the high-quality weighing technology from environmental influences and stresses during transportation

TECHNICAL DATA

- Large backlit LCD display, digit height 52 mm
- Dimensions of display device W×D×H 250×160×65 mm
- Cable length of display device approx. 5 m
- Connection cable approx.
- Permissible ambient temperature -10 °C/40 °C

MAIN SCOPE OF APPLICATIONS

- Warehouse logistics
- Warehousing
- Order picking
- Industrial applications

PICTOGRAMS

Standard



Option



Factory



MODEL OVERVIEW

Model	Weighing capacity [Max]	Readability [d]	Dimensions weighing surface	Net weight approx.
UFA 600K-1S	600 kg	0,2 kg	800×120 mm	36 kg
UFA 1.5T0.5	1500 kg	0,5 kg	1200×120 mm	40 kg
UFA 3T1	3000 kg	1 kg	1200×120 mm	38 kg
UFA 3T-3L	3000 kg	1 kg	2000×120 mm	60 kg
UFA 6T-3	6000 kg	2 kg	1200×160 mm	90 kg
UFA 6T-3L	6000 kg	2 kg	2000×160 mm	130 kg

ACCESSORIES

Model	Description
BFS-A07	Tripod BFS-A07, Height of stand approx. 1040 mm
CFS-A01	RS232 interface cable CFS-A01
CFS-A03	Signal lamp KERN CFS-A03
CFS-A04	RS-232 Y-interface cable CFS-A04
KFB-A01	Rechargeable battery pack KFB-A01 (Pb, 6 V, 1.2 Ah)
KFB-A02	Protective working cover KFB-A02
KFB-A02S05	Protective working cover KFB-A02S05, scope of delivery: 5 items
KFB-A03	Bluetooth-Set KFB-A03
KFB-A04	Analog Module KFB-A04 (0 – 10 V)
KFB-A05	Analog Module KFB-A05 (4 – 20 mA)
PFB-A03	Power adapter PFB-A03 (12 V, 500 mA | 100 V - 240 V, 50 / 60 Hz | UK)
PFB-A04	Power adapter PFB-A04 (12 V, 500 mA | 100 V - 240 V | US)
PFB-A05	Power adapter PFB-A05 (9 V, 800 mA | 100 V - 240 V AC, 50 / 60 Hz | AUS)
YKA-11	Power adapter YKA-11 (12 V, 500 mA | 100 - 240 V~ 50/60 Hz 190 mA | EURO, AUS, UK, US, CH)
YKC-01	Thermal printer YKC-01

Model	Description
YKD-A02	Large display YKD-A02
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

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
961-252	Adjustment at the location of installation 961-252 (Not in combination with verification)
963-132	DAkkS calibration certificate 963-132
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

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
	Units can be switched to e.g. non-metric units
	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
	Load Cell: 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
	Accredited calibration (DKD): The duration of the accredited calibration is 3 working days
	Data interface Bluetooth: For connection to printers, PCs or other peripheral devices
	Analogue interface: to connect a suitable peripheral device for analogue processing of the measurements
	Rechargeable battery pack: Rechargeable set

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