PROFESSIONAL MEASURING
SINCE 1844

KERN

Product brochure

30.10.2026

# KERN UFA 6T-3

Highly versatile weighing beams (IP67) for large loads to 6000 kg

ENGLISH



## CONTACT


**KERN & SOHN GmbH**
**Ziegelei 1**
**72336 Balingen**
**Germany**

**+49 7433 9933-0**
**info@kern-sohn.com**
**www.kern-sohn.com**

## APPLICATION EXAMPLE



## 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 |

ENGLISH

| 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 |
| 970-107 | Warranty extension (+2 years) 970-107 |

# 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 |

ENGLISH