PROFESSIONAL MEASURING
SINCE 1844

KERN

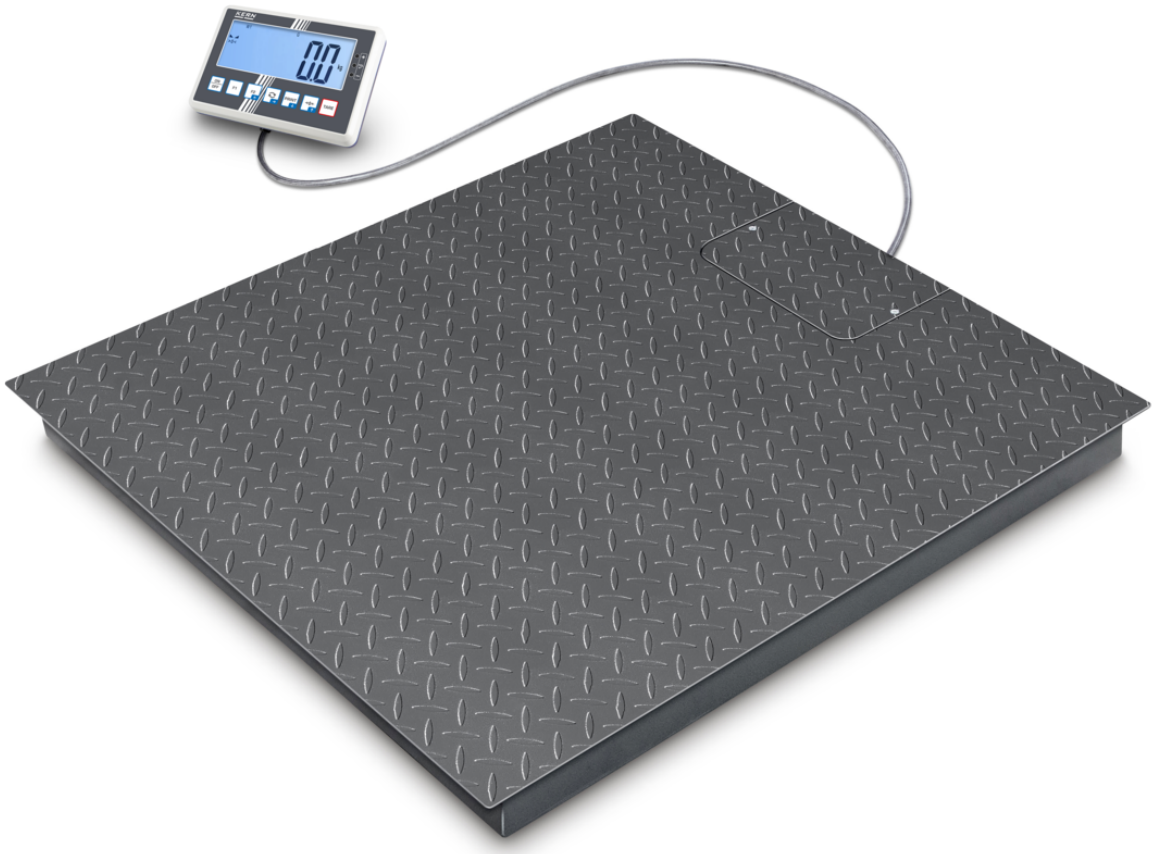
Product brochure

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# KERN BFC 8T-4D

High resolution floor scale with screwed-on weighing plate (IP67)

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## CONTACT


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## FEATURES

- Weighing plate welded, steel chequer plate
- 4 silicone-coated steel load cells, IP67 dust and spray protection
- Display device: for details see KERN KFC-TM
- IoT line: networkable balances with user-friendly concept of operation
- Industry 4.0: Data and control commands can be exchanged through the KERN Universal Port KUP) using one interface, which can be connected to the housing, or through three parallel interfaces using the KUP Extension box
- With Real Time Clock as standard: Enables you to log the weighing results with accurate time information. Even if the power supply is interrupted, the balance can continue to work with the correct time
- Benchtop stand incl. wall mount for display device as standard
- Protective working cover included with delivery



## TECHNICAL DATA

- Large backlit LCD display, digit height 48 mm
- Weighing platform dimensions, steel, powder-coated, W×D×H 1500×1500×123 mm
- Dimensions of display device W×D×H 220×150×66,5 mm
- Cable length of display device approx. 5 m
- Net weight approx. 225 kg
- Permissible ambient temperature -10 °C/40 °C

## MAIN SCOPE OF APPLICATIONS

- Industry
- Logistics and dispatch
- Agriculture
- Warehousing, Warehouse logistics
- Building materials industry
- Scrap and recycling industry
- Metal processing

## PICTOGRAMS

Standard




Option




Factory



## MODEL OVERVIEW

| Model | Weighing capacity [Max] | Readability [d] | Dimensions weighing surface | Net weight approx. |
|---|---|---|---|---|
| BFC 1T-5D | 500 kg; 1000 kg | 0,02 kg; 0,05 kg | 1500×1250 mm | 150 kg |
| BFC 1T-5DS | 500 kg; 1000 kg | 0,02 kg; 0,05 kg | 1000×1000 mm | 95 kg |
| BFC 2T-5D | 1000 kg; 2000 kg | 0,05 kg; 0,1 kg | 1500×1250 mm | 150 kg |
| BFC 2T-5DS | 1000 kg; 2000 kg | 0,05 kg; 0,1 kg | 1000×1000 mm | 100 kg |
| BFC 4T-4D | 2000 kg; 4000 kg | 0,1 kg; 0,2 kg | 1500×1250 mm | 150 kg |
| BFC 4T-4DL | 2000 kg; 4000 kg | 0,1 kg; 0,2 kg | 1500×1500 mm | 175 kg |
| BFC 8T-4D | 4000 kg; 8000 kg | 0,2 kg; 0,5 kg | 1500×1500 mm | 225 kg |

## ACCESSORIES

| Model | Description |
|---|---|
| BFS-A07 | Tripod BFS-A07, Height of stand approx. 1040 mm |
| BFS-A10 | Pair of base plates BFS-A10 |
| BFS-A11 | Access ramp BFS-A11 (1500×750×120 mm) |
| CFS-A03 | Signal lamp KERN CFS-A03 |
| KUP-01 | RS-232 interface KUP-01 |
| KUP-03 | Interface USB-Device KUP-03 |
| KUP-04 | Ethernet interface KUP-04 |
| KUP-05 | WiFi interface KUP-05 |
| KUP-06 | Bluetooth BLE interface KUP-06 |
| KUP-08 | Analogue module interface adapter KUP-08 |
| KUP-13 | Extension box KUP-13 |

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| Model | Description |
|---|---|
| YBA-A18 | Protective working cover YBA-A18 |
| YBA-A18S05 | Protective working cover YBA-A18S05, scope of delivery: 5 items |
| YKA-27 | Power adapter YKA-27 (5,9V, 1A \| 100 V - 240 V, 50 / 60 Hz \| EURO, UK, US, CH) |
| YKC-01 | Thermal printer YKC-01 |
| YKG-01 | Dot Matrix Printer YKG-01 |
| YKH-01 | Thermal printer YKH-01 |
| YKR-01 | Rechargeable battery pack YKR-01 |
| YMM-04 | Alibi memory option YMM-04 |



## 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) |
| SET-01 | Software KERN EasyTouch SET-01-2025a Base |
| SET-01 | Software KERN EasyTouch SET-01 Base |
| SET-04 | Software KERN EasyTouch SET-04-2025a Density |
| SET-04 | Software KERN EasyTouch SET-04 Density |
| SET-05 | Software KERN EasyTouch SET-05-2025a Dynamic |
| SET-05 | Software KERN EasyTouch SET-05 Dynamic |
| SET-06 | Software KERN EasyTouch SET-06-2025a Classification |
| SET-06 | Software KERN EasyTouch SET-06 Classification |
| SET-07 | Software KERN EasyTouch SET-07-2025a Variable |
| SET-07 | Software KERN EasyTouch SET-07 Variable |
| SET-08 | Software KERN EasyTouch SET-08-2025a Take-out |
| SET-08 | Software KERN EasyTouch SET-08 Take-out |
| SET-10 | Software KERN EasyTouch SET-10 Save Server |
| SET-11 | Software KERN EasyTouch SET-11-2025a Safety |
| SET-11 | Software KERN EasyTouch SET-11 Safety |
| SET-14 | Software KERN EasyTouch SET-14-2025a Individual Print |

| Model | Description |
|---|---|
| SET-14 | Software KERN EasyTouch SET-14 Individual Print |
| SET-16 | Software KERN EasyTouch SET-16-2025a Batch and Statistics |
| SET-16 | Software KERN EasyTouch SET-16 Batch and Statistics |
| SET-17 | Software KERN EasyTouch SET-17-2025a PrePack |
| SET-17 | Software KERN EasyTouch SET-17 PrePack |
| SET-18 | Software KERN EasyTouch SET-18-2025a Container Master |
| SET-18 | Software KERN EasyTouch SET-18 Container Master |
| SET-21 | Software KERN EasyTouch SET-21-2025a Formulation |
| SET-21 | Software KERN EasyTouch SET-21 Formulation |
| SET-22 | Software KERN EasyTouch SET-22-2025a Difference |
| SET-22 | Software KERN EasyTouch SET-22 Difference |
| SET-31 | Software KERN EasyTouch SET-31-2025a Tolerance |
| SET-31 | Software KERN EasyTouch SET-31 Tolerance |
| SET-32 | Software KERN EasyTouch SET-32-2025a Count |
| SET-32 | Software KERN EasyTouch SET-32 Count |
| SET-33 | Software KERN EasyTouch SET-33-2025a Target Count |
| SET-33 | Software KERN EasyTouch SET-33 Target Count |
| SET-35 | Software KERN EasyTouch SET-35-2025a Assembly Count |
| SET-35 | Software KERN EasyTouch SET-35 Assembly Count |
| SET-37 | Software KERN EasyTouch SET-37-2025a Export Manager |
| SET-37 | Software KERN EasyTouch SET-37 Export Manager |
| SET-39 | Software KERN EasyTouch SET-39 Data Interface |
| SET-40 | Software KERN EasyTouch SET-40 Protect |
| SET-46 | Software KERN EasyTouch SET-46-2025a Backup Scheduler |
| SET-46 | Software KERN EasyTouch SET-46 Backup Scheduler |
| SET-51 | Software KERN EasyTouch SET-51-2025a Audit Logs |
| SET-51 | Software KERN EasyTouch SET-51 Audit Logs |
| SET-52 | Software KERN EasyTouch SET-52-2025a Inventory |
| SET-52 | Software KERN EasyTouch SET-52 Inventory |
| SET-261 | Software KERN EasyTouch SET-261 Audio Management |
| SET-311 | Software KERN EasyTouch SET-311-2025a Quick Key |

| Model | Description |
|---|---|
| SET-311 | Software KERN EasyTouch SET-311 Quick Key |
| SET-411 | Software KERN EasyTouch SET-411-2025a Hotkeys |
| SET-411 | Software KERN EasyTouch SET-411 Hotkeys |

## SERVICES

| Model | Description |
|---|---|
| 961-252 | Adjustment at the location of installation 961-252 (Not in combination with verification) |
| 963-133 | DAkkS calibration certificate 963-133 |
| 969-517 | Confirmation of the manufacturer's specification (only in combination with DAkkS calibration certificate)969-517 |
| 970-110 | Warranty extension (+2 years) 970-110 |

# KERN Pictogram Overview

| | |
|---|---|
|  | External adjustment: Adjusting accuracy using external adjustment weight |
|  | KERN IoT-Line balances – smart weighing solutions for the digital future |
|  | KERN Universal Port (KUP): allows the connection of external KUP interface adapters, e.g. RS-232, RS-485, USB, Bluetooth, WiFi, Analogue, Ethernet etc. for the exchange of data and control commands, without installation effort |
|  | 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 |
|  | GLP/ISO protocol: The measuring device generates a GLP-compliant printout |
|  | Value & time: The measuring device displays the value, date, and time, regardless of the connected printer |
|  | 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 %) |
|  | 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 |
|  | Platform: Protection against dust and water splashes IP67 |
|  | 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 |
|  | EasyTouch: Suitable for the connection, data transmission and control through PC or tablet |
|  | Data interface RS-232: For connection to printers, PCs or other peripheral devices for data transfer over longer distances. Network in bus topology possible |
|  | 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 |
|  | Data interface Bluetooth: For connection to printers, PCs or other peripheral devices |
|  | Network interface: For connecting the measuring device to an Ethernet network |

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| | |
|---|---|
| | Analogue interface: to connect a suitable peripheral device for analogue processing of the measurements |
| | Rechargeable battery pack: Rechargeable set |
| DAkkS | 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 |