PROFESSIONAL MEASURING
SINCE 1844

KERN

Product brochure

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# KERN FKS 30K-3

Networkable IP65 stainless steel bench scale with LED display and classification function

ENGLISH




## CONTACT

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## FEATURES

- IP65 dust and spray protection (in accordance with EN 60529)
- Stainless steel platform with an edgeless and jointless design; hygienic and easy to clean
- Coloured LED indicators below the display for visualising tolerance limits and class assignments with up to 10 different colours – supports checkweighing, piece counting and classification
- Weighing with tolerance range (checkweighing): a visual signal helps with portioning, dispensing or grading
- Classification function for quick allocation of weighed goods according to weight classes
- Standardised, convenient KERN concept of operation, consistency across products in terms of design, menu structure, button functions, interface connection and interface protocol
- The exchange of data and control commands is optional using up to two interfaces to suit individual requirements: one wired connection (RS-232, Ethernet, USB or analogue module) and one wireless connection (WiFi, Bluetooth)
- KERN Communication Protocol (KCP): The KCP permits searching and remote control of the balance using external control devices or computers
- With alibi memory for paperless archiving of weighing results. This also means the results of weighings with mandatory verification can be electronically evaluated and processed further
- 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
- Very low installation height (60 mm), ideal for heavy loads, confined workspaces and weighed items of great height
- Platform and display device can be separated; display device can be attached for mobile use
- Robust external mains adapter with IP65 protection as standard
- Thanks to rechargeable battery operation (optional), compact, lightweight construction, it is suitable for the use in several locations
- Universal external mains adapter included in scope of supply, with IP65 protection thanks to rugged magnetic connection on the scale – ideal for moist or dusty operational environments

## TECHNICAL DATA

- 14 segment LCD display: easy-to-read alphanumeric display of weight units, status messages, etc.
- Dimensions weighing surface, stainless steel, W×D 228×228 mm
- Overall dimensions W×D×H 325×230×60 mm
- Net weight approx. 3,6 kg
- Permissible ambient temperature -10 °C/40 °C

## MAIN SCOPE OF APPLICATIONS

- Food industry
- Chemical industry
- Gastronomy
- Laboratories

## PICTOGRAMS

Standard




Option




Factory




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## MODEL OVERVIEW

| Model | Weighing capacity [Max] | Readability [d] | Reproducibility | Linearity | Dimensions weighing surface |
|---|---|---|---|---|---|
| FKS 15K-4 | 15 kg | 0,001 kg | 0,001 kg | ± 0,003 kg | 228×228 mm |
| FKS 30K-3 | 30 kg | 0,002 kg | 0,002 kg | ± 0,006 kg | 228×228 mm |
| FKS 1K-5 | 1500 g | 0,1 g | 0,1 g | ± 0,3 g | 228×228 mm |
| FKS 3K-4 | 3000 g | 0,2 g | 0,2 g | ± 0,6 g | 228×228 mm |
| FKS 6K-4 | 6000 g | 0,5 g | 0,5 g | ± 1,5 g | 228×228 mm |

## ACCESSORIES

| Model | Description |
|---|---|
| KUM-01 | RS-232 interface KUM-01 |
| KUM-03 | Interface USB-Device KUM-03 |
| KUM-04 | Ethernet interface KUM-04 |
| KUM-05 | WiFi interface KUM-05 |
| KUM-06 | Bluetooth BLE interface KUM-06 |
| KUM-08 | Analogue interface KUM-08 |
| YKC-01 | Thermal printer YKC-01 |
| YKG-01 | Dot Matrix Printer YKG-01 |
| YKH-01 | Thermal printer YKH-01 |

| Model | Description |
|---|---|
| YKR-08 | Rechargeable battery pack YKR-08 (Li-Ion, 3,7 V, 10.000 mAh) |
| 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-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 Base |
| SET-04 | Software KERN EasyTouch SET-04 Density |
| SET-05 | Software KERN EasyTouch SET-05 Dynamic |
| SET-06 | Software KERN EasyTouch SET-06 Classification |
| SET-07 | Software KERN EasyTouch SET-07 Variable |
| 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 Safety |
| SET-14 | Software KERN EasyTouch SET-14 Individual Print |
| SET-16 | Software KERN EasyTouch SET-16 Batch and Statistics |
| SET-17 | Software KERN EasyTouch SET-17 PrePack |
| SET-18 | Software KERN EasyTouch SET-18 Container Master |
| SET-21 | Software KERN EasyTouch SET-21 Formulation |
| SET-22 | Software KERN EasyTouch SET-22 Difference |
| SET-31 | Software KERN EasyTouch SET-31 Tolerance |
| SET-32 | Software KERN EasyTouch SET-32 Count |
| SET-33 | Software KERN EasyTouch SET-33 Target Count |
| SET-35 | Software KERN EasyTouch SET-35 Assembly Count |
| SET-37 | Software KERN EasyTouch SET-37 Export Manager |
| SET-40 | Software KERN EasyTouch SET-40 Protect |
| SET-46 | Software KERN EasyTouch SET-46 Backup Scheduler |
| SET-51 | Software KERN EasyTouch SET-51 Audit Logs |
| SET-52 | Software KERN EasyTouch SET-52 Inventory |

| Model | Description |
|---|---|
| SET-261 | Software KERN EasyTouch SET-261 Audio Management |
| SET-311 | Software KERN EasyTouch SET-311 Quick Key |
| SET-411 | Software KERN EasyTouch SET-411 Hotkeys |

## SERVICES

| Model | Description |
|---|---|
| 961-248 | Adjustment at the location of installation 961-248 (Not in combination with verification) |
| 963-128 | DAkkS calibration certificate 963-128 |
| 969-517 | Confirmation of the manufacturer's specification (only in combination with DAkkS calibration certificate)969-517 |
| 970-017 | Warranty extension (+3 years) 970-017 |

# KERN Pictogram Overview

| | |
|---|---|
|  | External adjustment: Adjusting accuracy using external adjustment weight |
|  | Alibi memory: Secure, electronic archiving of measuring results, complying with the 2014/31/EU standard |
|  | 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 |
|  | Classification: Quick and easy categorisation of items to be weighed using colour-coding to indicate defined weight classes |
|  | Hold function: When the weighing conditions are unstable, a stable weight is calculated as an average value |
|  | Protection against dust and water splashes IP65 |
|  | 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 |
|  | Package shipment by courier service: The duration of internal product provision is one day |
|  | Rechargeable battery pack: Rechargeable set |
|  | Accredited calibration (DKD): The duration of the accredited calibration is 3 working days |
|  | 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 Bluetooth: 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 |

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Analogue interface: to connect a suitable peripheral device for analogue processing of the measurements