PROFESSIONAL MEASURING
SINCE 1844

KERN

Product brochure

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KERN SFB 100K-2HM

Stainless steel platform scale with IP65/IP67 protection, elevated display and optional verification

ENGLISH



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APPLICATION EXAMPLE



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FEATURES

- Ideal for the robust industrial applications
- Display device: stainless steel, protection against dust and water splashesIP65, (only when using rechargeable battery pack)
- Platform: made entirely of stainless steel, silicone-coated Stainless Steel load cell, protection against dust and water splashes IP67
- Column, standard, Height of stand approx. 400 mm

TECHNICAL DATA

- Large backlit LCD display, digit height 52 mm
- Dimensions of display device W×D×H 266×165×96 mm
- Weighing platform dimensions, stainless steel, W×D×H 400×300×111 mm
- Rechargeable battery pack integrated, as standard, operating time up to 35 h without backlight, charging time approx. 12 h
- Net weight approx. 10 kg
- Permissible ambient temperature -10 °C/40 °C

MAIN SCOPE OF APPLICATIONS

- Industry and production
- Packaging industry
- Chemical industry
- Hygiene

PLEASE NOTE FOR YOUR ORDER

- **For this model, a conformity assessment can only be performed until November 10, 2026. Please keep this in mind when placing your order.**
- Official verification is mandatory for commercial trade
- 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
- Please note: only one optional interface can be fitted for each device

PICTOGRAMS

Standard



Option



Factory



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MODEL OVERVIEW

Model	Weighing capacity [Max]	Readability [d]	Verification value [e]	Minimal load [Min]	Reproducibility	Linearity	Dimensions weighing surface
SFB 15K5HIPM	15 kg	0,005 kg	0,005 kg	0,1 kg	0,005 kg	± 0,005 kg	300×240 mm
SFB 30K10HIPM	30 kg	0,01 kg	0,01 kg	0,2 kg	0,01 kg	± 0,01 kg	300×240 mm
SFB 60K20LHIPM	60 kg	0,02 kg	0,02 kg	0,4 kg	0,02 kg	± 0,02 kg	400×300 mm
SFB 60K-2XLM	60 kg	0,02 kg	0,02 kg	0,4 kg	0,02 kg	± 0,02 kg	500×400 mm
SFB 100K-2HM	150 kg	0,05 kg	0,05 kg	1 kg	0,05 kg	± 0,05 kg	400×300 mm
SFB 100K-2LM	150 kg	0,05 kg	0,05 kg	1 kg	0,05 kg	± 0,05 kg	500×400 mm

ACCESSORIES

Model	Description
CFS-A01	RS232 interface cable CFS-A01
CFS-A04	RS-232 Y-interface cable CFS-A04
GAB-A04	Rechargeable battery pack GAB-A04 (Pb)
KFB-A03	Bluetooth-Set KFB-A03
KFB-A04	Analog Module KFB-A04 (0 – 10 V)
KFB-A05	Analog Module KFB-A05 (4 – 20 mA)
KFN-A01	RS-232 interface KFN-A01

Model	Description
PFB-A02	Power adapter PFB-A02 (12 V, 500 mA | 100 V - 240 V, 50 / 60 Hz | EURO, CH)
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)
RFS-A02	Stainless steel fruit pan RFS-A02
SFE-A02	Tripod SFE-A02, Height of stand approx. 400 mm
YGR-01	ESD grounding plug incl. grounding cable YGR-01
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

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
961-249	Adjustment at the location of installation 961-249 (Not in combination with verification)
963-129	DAkkS calibration certificate 963-129
965-229	Verification / Conformity assessment according to NAWI (2014/31/EU) 965-229
965-403	Cable extension 965-403 (< 4 m)
965-404	Cable extension 965-404 (4–7 m)
965-405	Cable extension 965-405 (7–20 m)
969-517	Confirmation of the manufacturer's specification (only in combination with DAkkS calibration certificate)969-517
970-105	Warranty extension (+2 years) 970-105

KERN Pictogram Overview

	External adjustment: Adjusting accuracy using external adjustment weight
	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
	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
	Display device: Protection against dust and water splashes IP65
	Load Cell: Protection against dust and water splashes IP67
	Rechargeable battery pack: Rechargeable set
	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
	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 Bluetooth: For connection to printers, PCs or other peripheral devices
	Analogue interface: to connect a suitable peripheral device for analogue processing of the measurements
	Conformity assessment: The duration of the conformity assessment is 3 working days

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