PROFESSIONAL MEASURING
SINCE 1844

KERN

Product brochure

30.10.2026

KERN SFB 100K-2XL

Stainless steel platform scale with IP65/IP67 protection and XL platform

ENGLISH



CONTACT

KERN & SOHN GmbH
Ziegelei 1
72336 Balingen
Germany

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







APPLICATION EXAMPLE



ENGLISH

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

TECHNICAL DATA

- Large backlit LCD display, digit height 52 mm
- Dimensions of display device W×D×H 266×165×96 mm
- Weighing platform dimensions W×D×H, stainless steel, W×D×H 650×500×139 mm
- Cable length of display device approx. 3 m
- Rechargeable battery pack integrated, as standard, operating time up to 35 h without backlight, charging time approx. 12 h
- Permissible ambient temperature -10 °C/40 °C

MAIN SCOPE OF APPLICATIONS

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

PLEASE NOTE FOR YOUR ORDER

- Please note: only one optional interface can be fitted for each device

PICTOGRAMS

Standard | Option | Factory



MODEL OVERVIEW

Model	Weighing capacity [Max]	Readability [d]	Reproducibility	Linearity	Dimensions weighing surface
SFB 10K1HIP	10 kg	0,001 kg	0,001 kg	± 0,001 kg	300×240 mm
SFB 20K2HIP	20 kg	0,002 kg	0,002 kg	± 0,002 kg	300×240 mm
SFB 50K5HIP	50 kg	0,005 kg	0,005 kg	± 0,005 kg	300×240 mm
SFB 50K5LHIP	50 kg	0,005 kg	0,005 kg	± 0,005 kg	400×300 mm
SFB 50K-3XL	50 kg	0,005 kg	0,005 kg	± 0,01 kg	500×400 mm
SFB 100K10HIP	100 kg	0,01 kg	0,01 kg	± 0,02 kg	400×300 mm
SFB 100K-2XL	100 kg	0,01 kg	0,01 kg	± 0,02 kg	650×500 mm

ACCESSORIES

Model	Description
346-81	Test weight 346-81 (OIML Class M1, Nominal value 100 kg, Heavy Duty Weight, steel, lacquered)
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
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)
SFB-A01	Tripod SFB-A01, Height of stand approx. 600 mm

ENGLISH

Model	Description
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
YRO-03	roller conveyor YRO-03

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
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
	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

ENGLISH