PROFESSIONAL MEASURING
SINCE 1844

KERN

Product brochure

31.10.2026

KERN FPB 3K-4

Robust bench scale with IP68/IP69K protection and checkweighing display

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

- Dust and splash water protection type IP68/IP69K. Therefore very robust and durable. Ideal for rough environmental conditions
- Stainless steel weighing plate, which makes cleaning easy and hygienic
- Rechargeable battery pack and power supply included with delivery for continuous operation of the scale, even during charging
- Thanks to rechargeable battery operation, compact, lightweight construction, it is suitable for the use in several locations
- Innovative weighing with tolerance range: The colour of the display changes depending on the weight (too light/ok/too heavy) and is an aid to help with portioning, dosing and grading
- Integrated piece-counting function with storable piece weight
- Sleep function: The scale automatically switches to energy-saving mode after an adjustable period of inactivity

TECHNICAL DATA

- Large backlit LCD display, digit height 25 mm
- Dimensions weighing surface, stainless steel, W×D 190×230 mm
- Overall dimensions W×D×H 288×233×102 mm
- Net weight approx. 2,2 kg
- Internal rechargeable battery pack, operating time up to 500 h without backlight, charging time approx. 4 h
- Permissible ambient temperature -10 °C/40 °C

MAIN SCOPE OF APPLICATIONS

- Food industry
- Hygiene
- Packaging industry
- Laboratory applications
- Chemical industry
- Pharmaceutical industry

PICTOGRAMS

Standard



Option



ENGLISH

MODEL OVERVIEW

Model	Weighing capacity [Max]	Readability [d]	Reproducibility	Linearity	Dimensions weighing surface
FPB 15K-3	15 kg	0,001 kg	0,001 kg	± 0,003 kg	190×230 mm
FPB 15K-3M	15 kg	0,005 kg	0,005 kg	± 0,015 kg	190×230 mm
FPB 30K-2M	30 kg	0,01 kg	0,01 kg	± 0,03 kg	190×230 mm
FPB 30K-3	30 kg	0,002 kg	0,002 kg	± 0,006 kg	190×230 mm
FPB 3K-3M	3000 g	1 g	1 g	± 3 g	190×230 mm
FPB 3K-4	3000 g	0,2 g	0,2 g	± 0,6 g	190×230 mm
FPB 6K-3	6000 g	0,5 g	0,5 g	± 1,5 g	190×230 mm
FPB 6K-3M	6000 g	2 g	2 g	± 6 g	190×230 mm

ACCESSORIES

Model	Description
YKR-07-A	Rechargeable battery pack YKR-07-A (Li-Ion, 3,7 V, 4.000 mAh)

SERVICES

Model	Description
961-247	Adjustment at the location of installation 961-247 (Not in combination with verification)
963-127	DAkkS calibration certificate 963-127

Model	Description
965-427	Adjustment to higher resolution with metrological testing ≤ 5 kg KERN 965-427
969-517	Confirmation of the manufacturer's specification (only in combination with DAkkS calibration certificate)969-517
970-013	Warranty extension (+3 years) 970-013

KERN Pictogram Overview

	External adjustment: Adjusting accuracy using external adjustment weight
	Piece counting: Reference quantities selectable. Display can be switched from piece to weight
	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
	Protection against dust and water splashes IP68
	Protection against dust and water splashes IP69K
	Rechargeable battery pack: Rechargeable set
	Plug-in power supply: 230V/50Hz in standard version for EU, CH. On request GB, USA or AUS version available
	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