PROFESSIONAL MEASURING
SINCE 1844

KERN

Product brochure

31.10.2026

KERN FPS 3K-3M

Rugged stainless steel bench scale with IP68/IP69K protection for damp and outdoor areas, with optional verification

ENGLISH



CONTACT

KERN & SOHN GmbH
Ziegelei 1
72336 Balingen
Germany

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





APPLICATION EXAMPLE





FEATURES

- Thanks to the stainless steel design of the housing and platform with smooth surface, the scale is rust-free and easy to clean
- IP68/IP69K dust and spray-water protection: Especially rugged and durable, scale can be immersed in water. Ideal for harsh environmental conditions, for industrial use and for damp and outdoor areas, e.g. in or near water tanks, tubs and open bodies of water
- 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
- Internal rechargeable battery pack, operating time up to 500 h without backlight, charging time approx. 4 h
- Net weight approx. 2,4 kg
- Permissible ambient temperature -10 °C/40 °C

MAIN SCOPE OF APPLICATIONS

- Food industry
- Chemical industry
- Seafood and fish industry
- Butchers and bakeries
- Gastronomy

PLEASE NOTE FOR YOUR ORDER

- 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

PICTOGRAMS

Standard



Option



Factory



MODEL OVERVIEW

Model	Weighing capacity [Max]	Readability [d]	Verification value [e]	Minimal load [Min]	Reproducibility	Linearity	Dimensions weighing surface
FPS 3K-3M	3 kg	0,001 kg	0,001 kg	0,02 kg	0,001 kg	± 0,003 kg	190×230 mm
FPS 3K-4	3 kg	0,0002 kg			0,0002 kg	± 0,0006 kg	190×230 mm
FPS 6K-3	6 kg	0,0005 kg			0,0005 kg	± 0,0015 kg	190×230 mm
FPS 6K-3M	6 kg	0,002 kg	0,002 kg	0,04 kg	0,002 kg	± 0,006 kg	190×230 mm
FPS 15K-3	15 kg	0,001 kg			0,001 kg	± 0,003 kg	190×230 mm
FPS 15K-3M	15 kg	0,005 kg	0,005 kg	0,1 kg	0,005 kg	± 0,015 kg	190×230 mm
FPS 30K-2M	30 kg	0,01 kg	0,01 kg	0,2 kg	0,01 kg	± 0,03 kg	190×230 mm
FPS 30K-3	30 kg	0,002 kg			0,002 kg	± 0,006 kg	190×230 mm

ACCESSORIES

Model	Description
RFS-A02	Stainless steel fruit pan RFS-A02
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
965-227	Verification / Conformity assessment according to NAWI (2014/31/EU) 965-227
969-517	Confirmation of the manufacturer's specification (only in combination with DAkkS calibration certificate)969-517
970-014	Warranty extension (+3 years) 970-014

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
	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
	Conformity assessment: The duration of the conformity assessment is 3 working days

ENGLISH