PROFESSIONAL MEASURING
SINCE 1844

KERN

Product brochure

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KERN FFN 1K-4NM

All-round bench scale, protected by stainless steel and IP65 rating, verification optional

ENGLISH



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APPLICATION EXAMPLE





FEATURES

- Ideal for the ever-increasing hygienic requirements in the food, pharmaceutical and chemical industries
- Your support in a HACCP-compliant quality system
- Ideal for the robust industrial applications
- Protection against dust and water splashes IP65 (only when using rechargeable battery pack)
- High mobility: thanks to rechargeable battery operation, compact, lightweight construction, it is suitable for the use in several locations (kitchens, sales offices, cafeterias, food industry laboratories, etc.)
- Thanks to the stainless steel design of the housing and platform with smooth surface, the scale is rust-free and easy to clean
- Recessed grips on the underside of the scale for easy transportation

TECHNICAL DATA

- Large backlit LCD display, digit height 25 mm
- Dimensions weighing surface, stainless steel, W×D 233×193 mm
- Overall dimensions 243×300×127 mm
- Rechargeable battery pack integrated, as standard, operating time up to 50 h without backlight, charging time approx. 12 h
- Net weight approx. 4,0 kg
- Permissible ambient temperature -10 °C/40 °C

MAIN SCOPE OF APPLICATIONS

- Food industry
- Hygiene
- Pharmaceutical applications

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
FFN 1K-4NM	1,5 kg	0,0005 kg	0,0005 kg	0,01 kg	0,0005 kg	± 0,0005 kg	233×193 mm
FFN 3K1IPM	3 kg	0,001 kg	0,001 kg	0,02 kg	0,001 kg	± 0,001 kg	233×193 mm
FFN 6K2IPM	6 kg	0,002 kg	0,002 kg	0,04 kg	0,002 kg	± 0,002 kg	233×193 mm
FFN 15K5IPM	15 kg	0,005 kg	0,005 kg	0,1 kg	0,005 kg	± 0,005 kg	233×193 mm
FFN 25K10IPM	25 kg	0,01 kg	0,01 kg	0,2 kg	0,01 kg	± 0,01 kg	233×193 mm

ACCESSORIES

Model	Description
315-411-407	Safety set 315-411-407, included weight 100 g (M1); 1000 g (M1)
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)

Model	Description
PFB-A05	Power adapter PFB-A05 (9 V, 800 mA | 100 V - 240 V AC, 50 / 60 Hz | AUS)
WTB-A01N	Rechargeable battery pack WTB-A01N
YKA-11	Power adapter YKA-11 (12 V, 500 mA | 100 - 240 V~ 50/60 Hz 190 mA | EURO, AUS, UK, US, CH)

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
970-015	Warranty extension (+3 years) 970-015

KERN Pictogram Overview

	External adjustment: Adjusting accuracy using external adjustment weight
	Units can be switched to e.g. non-metric units
	Protection against dust and water splashes IP65
	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