PROFESSIONAL MEASURING
SINCE 1844

KERN

Product brochure

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KERN EG 420-3NM

The classic balance with robust tuning fork measuring system

ENGLISH



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APPLICATION EXAMPLE



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FEATURES

- Internal adjustment in the case of a change in temperature and time-controlled at defined intervals, guarantees high degree of accuracy and makes the balance independent of its location of use
- Stable temperature behaviour
- Short stabilisation time
- Shock proof construction
- High corner load performance
- Capacity display: A bargraph display lights up to show how much of the weighing range is still available
- Totalising of pieces when counting
- Draught shield standard, weighing space W×D×H 158×130×78 mm
- Protective working cover included with delivery

TECHNICAL DATA

- Large LCD display, digit height 17 mm
- Dimensions weighing surface, ⌀ 118 mm, stainless steel
- Overall dimensions 180×235×75 mm (without draught shield)
- Net weight approx. 1,8 kg
- Permissible ambient temperature 10 °C/30 °C

MAIN SCOPE OF APPLICATIONS

- Pharmacies (non-medical)
- Chemical industry
- Gold and precious metals trading
- Cosmetics industry
- Laboratory 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
- According to the requirements of the EU Directive and the German Weights and Measures Act, scales in open sales outlets must not have an auxiliary display device. (Scales for the intended use 'open points of sale' must have a readability of e=d).

PICTOGRAMS

Standard



Option



Factory



MODEL OVERVIEW

Model	Weighing capacity [Max]	Readability [d]	Verification value [e]	Minimal load [Min]	Reproducibility	Linearity	Dimensions weighing surface
EG 220-3NM	220 g	0,001 g	0,01 g	0,02 g	0,001 g	± 0,002 g	118 mm
EG 420-3NM	420 g	0,001 g	0,01 g	0,02 g	0,001 g	± 0,003 g	118 mm
EG 620-3NM	620 g	0,001 g	0,01 g	0,1 g	0,001 g	± 0,004 g	118 mm
EG 2200-2NM	2200 g	0,01 g	0,1 g	0,5 g	0,01 g	± 0,01 g	180×160 mm
EG 4200-2NM	4200 g	0,01 g	0,1 g	0,5 g	0,01 g	± 0,02 g	180×160 mm

ACCESSORIES

Model	Description
315-208-205	Safety set 315-208-205, included weight 20 g (F1); 200 g (F1)
474-926	RS232 interface cable 474-926
AFH 13	Converter RS232 to USB AFH 13
EG-A03	Draft shield EG-A03
EG-A04	Rechargeable battery pack EG-A04 (NiMH, 6 V, 1.200 mAh)
EG-A05	Protective working cover EG-A05
EG-A07	Eyelet for underfloor weighing EG-A07
YKA-03N	Power adapter YKA-03N (9 V, 300 mA | 100 V - 240 V, 50 / 60 Hz | EURO, UK, US, CH)

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Model	Description
YKC-01	Thermal printer YKC-01
YKG-01	Dot Matrix Printer YKG-01
YKH-01	Thermal printer YKH-01
YKI-10	RS232-Ethernet adapter YKI-10 (RS-232 standard, Ethernet, RS-485)
YKI-11	RS232-Ethernet adapter YKI-11 (Ethernet, RS-232 standard - 2x)
YKI-12	RS232-WiFi adapter YKI-12
YKT-01	Needle printer YKT-01
YPS-03	Antivibration table YPS-03
YPS-04	Anti-vibration plate KERN YPS-04 (400×450×60 mm, 30 kg)
YPS-05	Anti-vibration plate KERN YPS-05 (565×450×60 mm, 42 kg)

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
963-127	DAkkS calibration certificate 963-127
965-216	Verification / Conformity assessment according to NAWI (2014/31/EU) 965-216
969-517	Confirmation of the manufacturer’s specification (only in combination with DAkkS calibration certificate)969-517
970-106	Warranty extension (+2 years) 970-106

KERN Pictogram Overview

	Internal adjustment: Adjusting accuracy using internal adjustment weight
	Data interface RS-232: For connection to printers, PCs or other peripheral devices for data transfer over longer distances. Network in bus topology possible
	Piece counting: Reference quantities selectable. Display can be switched from piece to weight
	Percentage determination: determining the deviation in % from the target value (100 %)
	Units can be switched to e.g. non-metric units
	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 tuning fork: A resonating body is electromagnetically excited, causing it to oscillate
	Package shipment by courier service: The duration of internal product provision is one day
	Suspended weighing: Load support with hook on the underside of the balance
	Accredited calibration (DKD): The duration of the accredited calibration is 3 working days
	Rechargeable battery pack: Rechargeable set
	Conformity assessment: The duration of the conformity assessment is 3 working days

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