

KERN EG 420-3NM

The classic balance with robust tuning fork measuring system



Article codes, product groups & Status information

Model article-code	EG 420-3NM
Model-Serie	EG
Assortment	KERN
Product Type	Laboratory balances
Product group	Precision balances
Product usage type	Main article
EAN code (Model)	4045761212626
Predecessor Model	EG 420-3NM-2017a
Planned start date	2018-2HJ
Customs tariff number	90160010
CE Label	Yes

Technical data - Primary

Weighing capacity	420 g
Readability	0.001 g
Repeatability	0.001 g
Linearity	± 0.003 g
Minimum piece weight	10 mg
Weighing surface (d)	118 mm

Technical data - Construction

Dimension housing (W×D×H)	180×235×75 mm
Bubble Level	Yes
Material weighing plate	Stainless steel
Revolving screw feet	Yes

Casing material	Plastic
Weighing surface (d)	118 mm
Dimensions of weighing plate (diameter)	118 mm
Material draft shield	Plastic

Technical data - Display

Display height	17 mm
Backlight	Yes

Technical data - Power supply

Mains adapter/adapter included	AUS;CH;EURO;UK;US
Charging time	12 h
Input Voltage	220 V - 240 V AC, 50 Hz
Rechargeable battery	Rchrg. battery optional

Technical data - Measuring system

Calibration method	Adjusting with internal weight (manual)
Linearity	± 0.003 g
Minimum weight (USP)	2 g
Readability	0.001 g
Repeatability	0.001 g
Stabilisation time under laboratory conditions	3 s
Warm up time	4 h
Carat - max capacity	2100 ct

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Carat - readout 0.01 ct

Technical data - Environmental conditions

Maximum humidity 80 %

Maximum operating temperature 30 °C

Minimum ambient temperature 10 °C

Technical data - Packing & Shipping

Dimensions packaging (W×D×H) 400×320×220 mm

Gross weight 3.4 kg

Net weight 1.8 kg

Shipping method Parcel service

Packaging component - by weight - paper 165 g

Packaging component - by weight - cardboard 905 g

Packaging component - by weight - plastics 30 g

Packaging component - by weight - styrofoam 0 g

Packaging component - by weight - glass 0 g

Packaging component - by weight - wood 0 g

Packaging component - by weight - foam 100 g

Packaging component - by weight - metal 0 g

Delivery time 1 d

Technical data - Counting data

Counting resolution 420000

Minimum piece weight at piece counting (Laboratory) 1 mg

Minimum piece weight 10 mg

Technical data - Verification

Verification value (e) 0.01 g

Minimum load (Min) 0.02 g

Verification by KERN possible Yes

Verification class II

Technical data - Illumination

Draft shield optionally available Yes

Technical data - Moisture analyzing

Draft shield optionally available Yes

Optional Services

DAkkS Calibration 963-127

Verification 965-216

Functions

Standard



Option



Factory

