

KERN EW 420-3NM

KERN

The classic balance with robust tuning fork measuring system



Display screen size	109×22 mm
Languages of the user interface	Symbol language

Construction

Dimension housing (W×D×H)	180×235×75 mm
Dimensions completely mounted (W×D×H)	185×235×165 mm
Dimensions rectangular draught shield - inner (W×D×H)	158×130×78 mm
Dimensions rectangular draught shield - outer (W×D×H)	174×144×105 mm
Dimensions weighing surface (Ø)	118 mm
Draught shield optional	✓
Material housing	plastic
Material weighing plate	stainless steel
Material draught shield	plastic
Levelling feet adjustable	✓

Functions

Number of keys for operation	5
Auto-off interval(s) in battery mode/rechargeable battery mode	3 min
Capacity display	✓
Tare function	manual (multi)
Percentage determination	✓
Counting function	✓
Tolerance weighing	✓
Tolerance weighing - type of signal	visual
Underfloor weighing	Eye (optional)
Interfaces	RS-232 standard

Counting

Smallest piece weight when piece counting - laboratory conditions	1 mg
Smallest piece weight when piece counting - normal conditions	10 mg
Reference quantity	10, 30, 50, 100
Counting resolution (laboratory conditions)	420.000

Power Supply

Input voltage power supply / power [Max]	220 V - 240 V AC, 50 Hz
Input voltage device / power [Max]	12 V, 1 A
Plug-in power supply type	Power adapter
Supplied plug-in power supply	Power supply unit

Category

Brand	KERN
Product category	Laboratory balances
Product group	Precision balances

Measuring System

Readability [d]	0,001 g
Weighing capacity [Max]	420 g
Eccentric loading at 1/3 [Max]	0,003 g
USP Minimum weight of sample (k = 2, U = 0.1%)	2 g
Reproducibility	0,001 g
Linearity	± 0,003 g
Weighing system	Tuning fork
Resolution	420.000
Units	g gn dwt tl (Tw) tl (HK) ozt tl (Singap, Malays) ct mo lb oz tol
Default unit	g
Stabilization time	2 s
Warm-up time	4 h
Adjustment options	Adjusting with external weight
Recommended adjusting weight	200 g (E2); 200 g (E2)

Approval

CE mark	✓
Accuracy classe	II

Display

Display digit height	17 mm
Display backlight	✓

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Plug-in power supply / adapter for countries - included with the delivery	EURO UK US CH
Plug-in power supply / adapter for countries - optional	EURO UK US CH
Rechargeable battery optional	Rchrg. battery optional
Rechargeable battery	EG-A04
Rechargeable battery charging time	12 h
Rechargeable battery operating time - backlight on	12 h
Rechargeable battery operating time - backlight off	32 h

Environmental conditions

Humidity of environment [Max]	80 %
Ambient temperature [Min]	10 °C
Ambient temperature [Max]	30 °C

Packing & Shipping

Readability force [d] (N)	1 d
Shipping method	Parcel service
Dimensions packaging (W×D×H)	400×325×220 mm
Net weight approx.	1,4 kg
Gross weight approx.	3,0 kg

Services (optional)

Article number for DAkkS calibration	963-127
Article number for certificate of conformity (verification)	969-517

Piktogramme

STANDARD



OPTION

