

KERN EG 4200-2NM

KERN

The classic balance with robust tuning fork measuring system



Adjustment options

Adjusting with internal weight (manual)

Stabilization time	3 s
Warm-up time	4 h
Eccentric loading at 1/3 [Max]	0,03 g

Approval

CE mark	✓
Accuracy classe	II
Verification scale interval [e]	0,1 g
Verification scale interval [e] (ct)	1 ct
Conformity assessment possible ex works	✓

Display

Display type	LCD
Display screen size	109×22 mm
Display backlight	✓
Display digit height	17 mm
Languages of the user interface	Symbol language

Construction

Dimension housing (W×D×H)	180×235×75 mm
Dimensions completely mounted (W×D×H)	180×235×75 mm
Material housing	plastic
Material weighing plate	stainless steel
Material platform	Stainless steel
Dimensions weighing surface (W×D)	180×160 mm
Levelling feet adjustable	✓

Functions

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

Category

Brand	KERN
Product category	Laboratory balance
Product group	Precision balance
Product family	EG-N

Measuring System

Construction type of the scale	Single-range balance
Weighing system	Tuning fork
Weighing capacity [Max]	4200 g
Weighing capacity [Max] (ct)	21000 ct
Readability [d]	0,01 g
Readability carat [d] (ct)	0,1 ct
Resolution	420.000
Linearity	± 0,02 g
Reproducibility	0,01 g
Default unit	g
Units	g dwt tl (Tw) tl (HK) ozt tl (Singap, Malays) ct mo lb oz tol
Units (if device is conformity assessed)	g ct
Minimum weight [Min]	0,5 g
USP Minimum weight of sample (k = 2, U = 0.1%)	20 g
Minimum weight [Min] (ct)	5 ct

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Counting

Smallest piece weight when piece counting - laboratory conditions	10 mg
Smallest piece weight when piece counting - normal conditions	100 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 power supply	Power supply unit
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 charging time	12 h
Rechargeable battery operating time - backlight on	12 h
Battery / accumulator type	NiCd

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
Dimensions packaging (W×D×H)	410×325×230 mm
Net weight	3,87 kg
Shipping method	Parcel service
Net weight approx.	4,0 kg
Gross weight approx.	6 kg
Shipping weight	6,1 kg

Services (optional)

Article number for conformity assessment	965-216
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Article number for DAkkS calibration 963-127

Article number for certificate of conformity (verification) 969-517

Pictograms

STANDARD



OPTION



FACTORY



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