KERN **EG 4200-2NM**

The classic balance with robust tuning fork measuring system



Category

Brand	KERN
Product categoriy	Laboratory balance
Product group	Precision balance
Product family	EG

Measuring System

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

Display

Display type	LCD
Display backlight	✓
Display screen size	109×22 mm
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
Dimensions weighing surface (W×D)	180×160 mm
Dimensions weighing surface	180×160 mm
Material housing	plastic
Material weighing plate	stainless steel
Material platform	stainless steel
Level indicator	✓
Levelling feet adjustable	✓

Functions

Percentage determination	✓
Tolerance weighing	✓
Underfloor weighing	Eye (optional)
Capacity - Display	✓
Counting function	✓
Counting resolution (laboratory conditions)	420.000
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
Auto-off interval(s) in battery mode/rechargeable battery mode	3 min
Auto-off interval(s) in mains power mode	3 min
Tare function	manual (multi)
Number of keys for operation	5

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Interface	
Interfaces	RS-232 standard

Power Supply	
Supplied power supply	Power supply unit
Power supply type	Power adapter
Plug-in power supply / adapter for countries - included with the delivery	EURO AUS UK US CH
Plug-in power supply / adapter for countries - optional	EURO UK US CH
Input voltage power supply / power [Max]	220 V - 240 V AC, 50 Hz
Power supply cable removable	removable
Input voltage device / power [Max]	12 V, 1 A
Power socket for mains adapter	Hollow plug inside minus, Ø outside 5,2 mm, Ø inside 1,7 mm, long 9,4 mm
Battery / accumulator type	NiCd
Rechargeable battery	EG-A06
Rechargeable battery operating time - backlight on	12 h
Rechargeable battery charging time	12 h
Rechargeable battery optional	Rchrg. battery optional

Environmental conditions	
Ambient temperature [Min]	10 °C
Ambient temperature [Max]	30 °C
Humity of environment [Max]	80 %

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

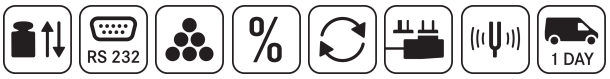
Services (optional)	
Article number for conformity assessment	965-216
Article number for DAkkS calibration	963-127
Article number for certificate of conformity	969-517

Packing & Shipping	
Delivery time	1 d
Dimensions packaging (W×D×H)	410×325×230 mm
Shipping method	Parcel service
Net weight approx.	4,0 kg
Gross weight approx.	6 kg
Shipping weight	6,1 kg

Product information	
GTIN/EAN number	4045761212664
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION



FACTORY

