

KERN EW 4200-2NM

The classic balance with robust tuning fork measuring system



Maximum creep (15 minutes)	100 mg
Maximum creep (30 minutes)	200 mg

Approval

CE mark	✓
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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
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	✓
Tolerance weighing - type of signal	visual
Underfloor weighing	Eye (optional)
Interfaces	RS-232 standard

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

Category

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

Measuring System

Construction type of the scale	Single-range balance
Weighing system	Tuning fork
Weighing capacity [Max]	4200 g
Readability [d]	0,01 g
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	

USP Minimum weight of sample (k = 2, U = 0.1%)	20 g
Adjustment options	Adjusting with external weight
Recommended adjusting weight	2 kg (E2); 2 kg (E2)
Stabilization time	2 s
Warm-up time	4 h
Eccentric loading at 1/3 [Max]	0,03 g

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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 AUS 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
Storage temperature [Min]	-20 °C
Storage temperature [Max]	60 °C

Packing & Shipping

Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	320×410×230 mm
Net weight	2,862 kg
Shipping method	Parcel service
Net weight approx.	3,0 kg
Gross weight approx.	4,2 kg
Shipping weight	6 kg

Services (optional)

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

Pictograms

STANDARD



OPTION

