

KERN EW 820-2NM

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)	170×140 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)	82.000

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]	820 g
Readability [d]	0,01 g
Resolution	82.000
Linearity	± 0,01 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	200 g (F1); 500 g (F1)
Stabilization time	2 s
Warm-up time	120 min
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)	325×405×230 mm
Net weight	1,52 kg
Shipping method	Parcel service
Net weight approx.	1,6 kg
Gross weight approx.	3,0 kg
Shipping weight	6,1 kg

Services (optional)

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

Pictograms

STANDARD



OPTION

