KERN EW 820-2NM



The classic balance with robust tuning fork measuring system



Category

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

Measuring System

weasuring System	
Construction type of the scale	Single-range balance
Weighing system	Tuning fork
Weighing capacity [Max]	820 g
Readability [d]	0,01 g
Reproducibility	0,01 g
Linearity	± 0,01 g
USP Minimum weight of sample (k = 2, U = 0.1%)	20 g
Resolution	82.000
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
Maximum creep (15 minutes)	100 mg
Maximum creep (30 minutes)	200 mg
Default unit	g
Units	g dwt tl (Tw) tl (HK) ozt tl (Singap, Malays) ct lb

	OZ
	to
	mom
Display	
Display type	LCD
Display backlight	\checkmark
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)	170×140 mm
Dimensions weighing surface	170×140 mm
Material housing	plastic
Material weighing plate	stainless steel
Level indicator	1
Levelling feet adjustable	1
Functions	
Functions Percentage determination	✓
	✓ ✓
Percentage determination	
Percentage determination Tolerance weighing	✓
Percentage determination Tolerance weighing Tolerance weighing - type of signal	✓ visual
Percentage determination Tolerance weighing Tolerance weighing - type of signal Underfloor weighing	✓ visual Eye (optional)
Percentage determination Tolerance weighing Tolerance weighing - type of signal Underfloor weighing Capacity - Display	✓ visual Eye (optional) ✓
Percentage determination Tolerance weighing Tolerance weighing - type of signal Underfloor weighing Capacity - Display Counting function Counting resolution (laboratory	✓ visual Eye (optional) ✓
Percentage determination Tolerance weighing Tolerance weighing - type of signal Underfloor weighing Capacity - Display Counting function Counting resolution (laboratory conditions) Smallest piece weight when piece	✓ visual Eye (optional) ✓ ✓ 82.000
Percentage determination Tolerance weighing Tolerance weighing - type of signal Underfloor weighing Capacity - Display Counting function Counting resolution (laboratory conditions) Smallest piece weight when piece counting - laboratory conditions	✓ visual Eye (optional) ✓ ✓ 82.000 10 mg
Percentage determination Tolerance weighing Tolerance weighing - type of signal Underfloor weighing Capacity - Display Counting function Counting resolution (laboratory conditions) Smallest piece weight when piece counting - laboratory conditions	✓ visual Eye (optional) ✓ ✓ 82.000 10 mg 100 mg
Percentage determination Tolerance weighing Tolerance weighing - type of signal Underfloor weighing Capacity - Display Counting function Counting resolution (laboratory conditions) Smallest piece weight when piece counting - laboratory conditions Smallest piece weight when piece counting - normal conditions Reference quantity Auto-off interval(s) in battery	 ✓ ✓ ✓ ✓ ✓ 82.000 10 mg 100 mg 10, 30, 50, 100
Percentage determination Tolerance weighing Tolerance weighing - type of signal Underfloor weighing Capacity - Display Counting function Counting resolution (laboratory conditions) Smallest piece weight when piece counting - laboratory conditions Smallest piece weight when piece counting - normal conditions Reference quantity Auto-off interval(s) in battery mode Auto-off interval(s) in mains power	 ✓ ✓ ✓ ✓ ✓ 82.000 10 mg 100 mg 10, 30, 50, 100 3 min

RS-232 standard

Interface Interfaces

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Power Supply

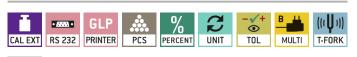
Supplied power supply	Power supply unit
Plug-in power supply type	Power adapter
Plug-in power supply / adapter for countries - included with the delivery	EURO UK US CH
Plug-in power supply / adapter for countries - optional	EURO AUS UK US CH
Input voltage power supply / power [Max]	220 V - 240 V AC, 50 Hz
Input voltage device / power [Max]	12 V, 1 A
Battery / accumulator type	NiCd
Rechargeable battery	EG-A04
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 %
Storage temperature [Min]	-20 °C
Storage temperature [Max]	0° 06
Approval	
CE mark	\checkmark
Services (optional)	
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)	325×405×230 mm
Shipping method	Parcel service
Net weight approx.	1,6 kg
Gross weight approx.	3,0 kg
Shipping weight	6,1 kg

Pictograms

STANDARD



1 DAY

OPTION

	–	DAkkS
ACCU	UNDER	+3 DAYS