KERN **EG 220-3NM**

The classic balance with robust tuning fork measuring system

Category

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

Measuring System

Conformity assessment possible	✓
Construction type of the scale	Single-range balance
Weighing system	Tuning fork
Weighing capacity [Max]	220 g
Weighing capacity [Max] (ct)	1100 ct
Readability [d]	0,001 g
Readability carat [d] (ct)	0,01 ct
Resolution	220.000
Linearity	± 0,002 g
Reproducibility	0,001 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]	0,02 g
USP Minimum weight of sample (k = 2, U = 0.1%)	2 g
Minimum weight [Min] (ct)	0,2 ct
Adjustment options	Adjusting with internal weight (manual)
Stabilization time	3 s
Warm-up time	120 min
Eccentric loading at 1/3 [Max]	0,002 g

Approval

CE mark	✓
Pattern approval for conformity assessment	✓
Accuracy classe	II
Verification scale interval [e]	0,01 g
Verification scale interval [e] (ct)	0,1 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 rectangular draught shield - inner (W×D×H)	158×130×78 mm
Dimensions rectangular draught shield - outer (W×D×H)	174×144×105 mm
Dimensions completely mounted (W×D×H)	185×235×165 mm
Material housing	plastic
Material weighing plate	stainless steel
Material platform	Stainless steel
Material draught shield	plastic
Dimensions weighing surface (Ø)	118 mm
Levelling feet adjustable	✓
Draught shield optional	✓

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)

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Percentage determination	✓
Counting function	✓
Tolerance weighing	✓
Underfloor weighing	Eye (included in delivery)
Interfaces	RS-232 standard

Counting

Smallest piece weight when piece counting - laboratory conditions	1 mg
Smallest piece weight when piece counting - normal conditions	10 mg
Reference quantity	10, 30, 50, 100
Counting resolution (laboratory conditions)	220.000

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

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

Packing & Shipping

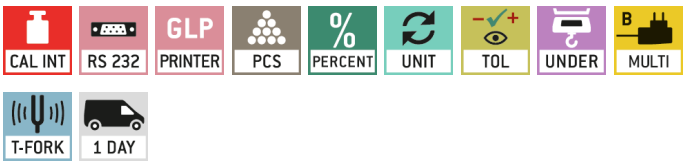
Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	320×410×230 mm
Net weight	1,9 kg
Shipping method	Parcel service
Net weight approx.	2,0 kg
Gross weight approx.	3,2 kg
Shipping weight	6 kg

Services (optional)

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

Pictograms

STANDARD



OPTION

FACTORY