

KERN EW 420-3NM



The classic balance with robust tuning fork measuring system



Category

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

Measuring System

Weighing system	Tuning fork
Weighing capacity [Max]	420 g
Readability [d]	0,001 g
Reproducibility	0,001 g
Linearity	± 0,003 g
Resolution	420.000

Adjustment options	Adjusting with external weight
Recommended adjusting weight	200 g (E2); 200 g (E2)
Stabilization time	2 s
Warm-up time	4 h
Eccentric loading at 1/3 [Max]	0,003 g
USP Minimum weight of sample (k = 2, U = 0.1%)	2 g
Construction type of the scale	Single-range balance

Units	g
	gn
	dwt
	tl (Tw)
	tl (HK)
	ozt
	tl (Singap, Malays)
	ct
	lb
	oz
	to
	mom

Maximum creep (15 minutes)	10 mg
Maximum creep (30 minutes)	20 mg
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)	185×235×165 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 weighing surface (Ø)	118 mm
Dimensions weighing surface	118 mm
Material housing	plastic
Material weighing plate	stainless steel
Material draught shield	plastic
Level indicator	✓
Levelling feet adjustable	✓
Draught shield optional	✓

Functions

Percentage determination	✓
Tolerance weighing	✓
Tolerance weighing - type of signal	visual
Underfloor weighing	Eye (optional)
Capacity - Display	✓
Counting function	✓
Counting resolution (laboratory conditions)	420.000
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
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
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Power Supply

Supplied power supply	Power supply unit
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Power supply type	Power adapter
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	EURO
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Plug-in power supply / adapter for countries - included with the delivery	AUS UK US CH
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	EURO
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Plug-in power supply / adapter for countries - optional	AUS UK US CH
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Input voltage power supply / power [Max]	220 V - 240 V AC, 50 Hz
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Input voltage device / power [Max]	12 V, 1 A
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Power socket for mains adapter	Hollow plug inside minus, Ø outside 5,2 mm, Ø inside 1,7 mm, long 9,4 mm
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Battery / accumulator type	NiCd
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Rechargeable battery	EG-A04
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Rechargeable battery operating time - backlight on	12 h
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Rechargeable battery charging time	12 h
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Rechargeable battery optional	Rchrg. battery optional
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Environmental conditions

Ambient temperature [Min]	10 °C
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Ambient temperature [Max]	30 °C
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Humidity of environment [Max]	80 %
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Storage temperature [Min]	-20 °C
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Storage temperature [Max]	60 °C
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Approval

CE mark	✓
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Services (optional)

Article number for DAkkS calibration	963-127
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Article number for certificate of conformity	969-517
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Packing & Shipping

Delivery time	1 d
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Dimensions packaging (W×D×H)	400×325×220 mm
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Shipping method	Parcel service
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Net weight approx.	1,4 kg
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Gross weight approx.	3,0 kg
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Shipping weight	5,7 kg
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Product information

GTIN/EAN number	4045761028784
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REACH classification	no prohibited substances
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Pictograms

STANDARD



OPTION

