

KERN TGC 500-1

KERN

Slim pocket balance with large stainless steel weighing plate and practical tare pan



Category

Brand	KERN
Product category	Laboratory balance
Product group	Pocket balance
Product family	TGC

Measuring System

Construction type of the scale	Single-range balance
Weighing system	Strain gauge
Weighing capacity [Max]	500 g
Weighing capacity [Max] (ct)	2500 ct
Readability [d]	0,1 g
Readability carat [d] (ct)	0,5 ct
Resolution	5.000
Linearity	± 1,5 g
Reproducibility	0,5 g
Tare range	500 g
Default unit	g

Units	g
	gn
	dwt
	ozt
	ct
	oz

Adjustment options	Adjusting with external weight
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Recommended adjusting weight	500 g (M3)
Possible calibration points	200 g; 300 g
Stabilization time	2 s
Warm-up time	10 min
Eccentric loading at 1/3 [Max]	0,5 g
Maximum creep (15 minutes)	400 mg
Maximum creep (30 minutes)	800 mg

Tolerance (% of [Max])	0,3%
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Approval

CE mark	✓
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Display

Display type	LCD
Display backlight	✓
Display digit height	12 mm
Languages of the user interface	Symbol language

Construction

Dimension housing (W×D×H)	100×130×18 mm
Material display housing	Plastics
Material housing	plastic
Material weighing plate	stainless steel
Dimensions weighing surface (Ø)	81 mm

Functions

Number of keys for operation	4
Auto-off interval(s) in battery mode/rechargeable battery mode	4 min
Tare function	manual (multi)
IP protection - complete device	-

Power Supply

Supplied power supply	Battery
Battery	2×CR2032
Battery / accumulator type	Li-Metal
Battery connection	Pad + Spring
Battery capacity	210 mAh
Battery operating time	8,75 h
Battery operating time - backlight on	8,75 h
Battery operating time - backlight off	22 h

Environmental conditions

Humidity of environment [Min]	80 %
Humidity of environment [Max]	90 %
Ambient temperature [Min]	0 °C
Ambient temperature [Max]	40 °C
Storage temperature [Min]	-20 °C
Storage temperature [Max]	60 °C

Packing & Shipping

Readability force [d] (N)	1 d
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Dimensions packaging (W×D×H)	100×130×16,5 mm
Net weight	0,15 kg
Shipping method	Parcel service
Net weight approx.	0,15 kg
Gross weight approx.	0,35 kg
Shipping weight	0,318 kg

Services (optional)

Article number for adjustment at the location of installation	961-247
Article number for DAkkS calibration	963-127
Article number for certificate of conformity (verification)	969-517

Pictograms

STANDARD



OPTION

