KERN **TGC 1K-3**

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



Date of creation: 24.10.2026

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

Measuring System	
Weighing system	Strain gauge
Weighing capacity [Max]	1000 g
Readability [d]	1 g
Reproducibility	3 g
Linearity	± 6 g
Resolution	1.000
Tare range	1000 g
Adjustment options	Adjusting with external weight
Recommended adjusting weight	750 g (M3)
Possible calibration points	1 kg
Stabilization time	2 s
Eccentric loading at 1/3 [Max]	3 g
Weighing capacity [Max] (ct)	5000 ct
Construction type of the scale	Single-range balance
Units	g gn dwt ozt ct oz
Maximum creep (15 minutes)	2 g
Maximum creep (30 minutes)	4 g
Default unit	g
Readability carat [d] (ct)	5 ct
Warm-up time	10 min

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
Dimensions weighing surface (Ø)	81 mm
Dimensions weighing surface	81 mm
Material housing	plastic
Material weighing plate	stainless steel
Material display housing	plastic

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

Power Supply	
Supplied power supply	Battery
Battery / accumulator type	Li-Metal
Battery	2×CR2032
Battery connection	Pad + Spring
Battery operating time - backlight on	8,75 h
Battery operating time - backlight off	22 h
Battery operating time	8,75 h
Battery capacity	210 mAh
Battery voltage	6 V
Battery – Number of cells	2
Battery – Individual weight	1740 g
Battery – Total weight	3480 g
Battery – Construction	Individual cells
Battery capacity (Wh)	0,63 Wh
Battery – Lithium content	110 mg
Battery – Tests passed UN 38.3	✓
Battery/Accu connected	not connected, enclosed

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

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	969-517

Packing & Shipping	
Delivery time	1 d
Dimensions packaging (W×D×H)	100×130×16,5 mm
Shipping method	Parcel service
Net weight approx.	0,15 kg
Gross weight approx.	0,35 kg
Shipping weight	0,318 kg
Shipping volume weight	0,1 kg

Product information	
GTIN/EAN number	4045761214255
Trade number	84238129
Warranty Time	24 mon
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION

