

KERN TGD 50-3C

KERN

Compact pocket carat balance for precision weighing of jewellery and precious stones



Category

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

Measuring System

Weighing system	Strain gauge
Weighing capacity [Max]	50 g
Readability [d]	0,001 g
Reproducibility	0,003 g
Linearity	± 0,003 g
Minimum weight [Min]	0,02 g
Resolution	50.000
Tare range	50 g
Adjustment options	Adjusting with external weight
Recommended adjusting weight	50 g (F2)
Possible calibration points	50 g
Stabilization time	3 s
Warm-up time	30 min
Eccentric loading at 1/3 [Max]	0,005 g
Minimum weight [Min] (ct)	0,1 ct
Construction type of the scale	Single-range balance

Units	g
	gn
	dwt
	ozt
	ct
Weighing capacity [Max] (ct)	oz
	250 ct
	Readability carat [d] (ct)
	0,005 ct
	Maximum creep (15 minutes)
	4 mg

Maximum creep (30 minutes)	8 mg
Default unit	g

Display

Display type	LCD touch
Display backlight	✓
Display screen size	75×36 mm
Display segments	6
Display digit height	20 mm
Languages of the user interface	Symbol language

Construction

Dimension housing (W×D×H)	96×150×64 mm
Dimensions weighing surface (Ø)	65 mm
Dimensions weighing surface	65 mm
Material housing	plastic
Material weighing plate	stainless steel
Material platform	plastic
Material draught shield	plastic
Level indicator	✓
Levelling feet adjustable	✓

Functions

Underfloor weighing	None
Counting function	✓
Auto-off interval(s) in battery mode/rechargeable battery mode	5 min
Tare function	manual (multi)
Number of keys for operation	4

Power Supply

Supplied power supply	Battery
Power supply cable removable	removable
Battery / accumulator type	Alkali(-Manganese)
Battery	4×1.5 V AAA
Battery connection	Pad + Spring
Battery operating time	150 h
Battery/Accu connected	not connected, enclosed

Environmental conditions

Ambient temperature [Min]	5 °C
Ambient temperature [Max]	35 °C
Humidity of environment [Min]	15 %
Humidity of environment [Max]	80 %

Approval

CE mark	✓
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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)	205×139×68 mm
Shipping method	Parcel service
Net weight approx.	0,25 kg
Gross weight approx.	0,40 kg
Shipping weight	0,4 kg

Product information

GTIN/EAN number	4045761217898
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION

