

KERN TGD 50-3C

KERN

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



Maximum creep (15 minutes)	4 mg
Maximum creep (30 minutes)	8 mg

Approval

CE mark	✓
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Display

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

Construction

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

Functions

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

Power Supply

Supplied power supply	Battery
Battery	4×1.5 V AAA
Battery / accumulator type	Alkali(-Manganese)
Battery connection	Pad + Spring
Battery operating time	150 h

Environmental conditions

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

Packing & Shipping

Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	205×139×68 mm

Category

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

Measuring System

Construction type of the scale	Single-range balance
Weighing system	Strain gauge
Weighing capacity [Max]	50 g
Weighing capacity [Max] (ct)	250 ct
Readability [d]	0,001 g
Readability carat [d] (ct)	0,005 ct
Resolution	50.000
Linearity	± 0,003 g
Reproducibility	0,003 g
Tare range	50 g
Default unit	g

Units

	g
	gn
	dwt
	ozt
	ct
	oz

Minimum weight [Min]	0,02 g
Minimum weight [Min] (ct)	0,1 ct

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

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Net weight	0,205 kg
Shipping method	Parcel service
Net weight approx.	0,25 kg
Gross weight approx.	0,40 kg
Shipping weight	0,4 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

