

KERN TGD 50-3CS05

KERN

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



Approval

CE mark	✓
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Display

Display type	LCD touch
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 display housing	Plastics
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)
IP protection - complete device	-

Power Supply

Supplied power supply	Power supply & battery included
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
Net weight	1,025 kg
Shipping method	Parcel service
Net weight approx.	1,2 kg
Gross weight approx.	2,0 kg

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

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

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Shipping weight 1,905 kg

Services (optional)

Article number for adjustment at the location of installation	961-247S05
Article number for DAkkS calibration	963-127S05.
Article number for certificate of conformity (verification)	969-517

Pictograms

STANDARD



OPTION

