

KERN TGD 50-3CS05

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



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
Dimensions weighing surface (Ø)	65 mm
Dimensions weighing surface	65 mm
Material housing	plastic
Material weighing plate	stainless steel
Material platform	Plastics
Material draught shield	plastic
Material display housing	Plastics
Level indicator	✓
Levelling feet adjustable	✓

Functions

IP protection - complete device	-
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	Power supply & battery included
Battery / accumulator type	Alkali(-Manganese)
Battery	4×1.5 V AAA
Battery connection	Pad + Spring
Battery operating time	150 h

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	961-247S05
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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
Reproducibility	0,003 g
Linearity	± 0,003 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
Maximum creep (15 minutes)	4 mg
Maximum creep (30 minutes)	8 mg
Default unit	g

Units	g
	gn
	dwt
	ozt
	ct
	oz

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Article number for DAkkS calibration 963-127S05.

Article number for certificate of conformity (verification) 969-517

Packing & Shipping

Delivery time	1 d
Net weight	1,025 kg
Shipping method	Parcel service
Net weight approx.	1,2 kg
Gross weight approx.	2,0 kg
Shipping weight	1,905 kg

Pictograms

STANDARD



OPTION

