

KERN TGD 50-3CS05

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



Approval

CE mark ✓

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

