

# KERN TGD 50-3C

# KERN

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



ct  
oz

## 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	Plastics
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
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	✓
---------	---

## 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
Minimum weight [Min]	0,02 g
Minimum weight [Min] (ct)	0,1 ct
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
	g
	gn
Units	dwt
	ozt

# KERN TGD 50-3C



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

## 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

## Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	205×139×68 mm
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

## Pictograms

### STANDARD



### OPTION

