

# KERN TGC 500-1

# KERN

Slim pocket balance with large stainless steel weighing plate and practical tare pan



## Display

Display type	LCD
Display backlight	✓
Display digit height	12 mm
Languages of the user interface	Symbol language

## Construction

Dimension housing (W×D×H)	100×130×18 mm
Dimensions weighing surface (Ø)	81 mm
Dimensions weighing surface	81 mm
Material housing	plastic
Material weighing plate	stainless steel
Material display housing	plastic

## Functions

IP protection - complete device	-
Auto-off interval(s) in battery mode/rechargeable battery mode	4 min
Tare function	manual (multi)
Number of keys for operation	4

## Power Supply

Supplied power supply	Battery
Battery / accumulator type	Li-Metal
Battery	2×CR2032
Battery connection	Pad + Spring
Battery operating time - backlight on	8,75 h
Battery operating time - backlight off	22 h
Battery operating time	8,75 h
Battery capacity	210 mAh
Battery - Number of cells	2
Battery - Individual weight	6 g
Battery - Total weight	12 g
Battery - Construction	Individual cells
Battery capacity (Wh)	0,63 Wh
Battery - Lithium content	110 mg
Battery - Tests passed UN 38.3	✓
Battery/Accu connected	not connected, enclosed

## Environmental conditions

Ambient temperature [Min]	0 °C
Ambient temperature [Max]	40 °C
Humidity of environment [Min]	80 %
Humidity of environment [Max]	90 %
Storage temperature [Min]	-20 °C

## Category

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

## Measuring System

Weighing system	Strain gauge
Weighing capacity [Max]	500 g
Readability [d]	0,1 g
Reproducibility	0,5 g
Linearity	± 1,5 g
Resolution	5.000
Tare range	500 g

Adjustment options	Adjusting with external weight
Recommended adjusting weight	500 g (M3)
Possible calibration points	200 g; 300 g
Stabilization time	2 s
Eccentric loading at 1/3 [Max]	0,5 g
Construction type of the scale	Single-range balance

Units	g
	gn
	dwt
	ozt
	ct

Weighing capacity [Max] (ct)	2500 ct
Readability carat [d] (ct)	0,5 ct
Tolerance (% of [Max])	0,3%
Maximum creep (15 minutes)	400 mg
Maximum creep (30 minutes)	800 mg
Default unit	g

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Storage temperature [Max] 60 °C

## Approval

CE mark ✓

## 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 969-517

## Packing & Shipping

Delivery time 1 d

Dimensions packaging (W×D×H) 100×130×16,5 mm

Shipping method Parcel service

Net weight approx. 0,15 kg

Gross weight approx. 0,35 kg

Shipping weight 0,318 kg

## Product information

GTIN/EAN number 4045761217539

Trade number 84238129

REACH classification no prohibited substances

## Pictograms

### STANDARD



### OPTION

