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# Operating manual

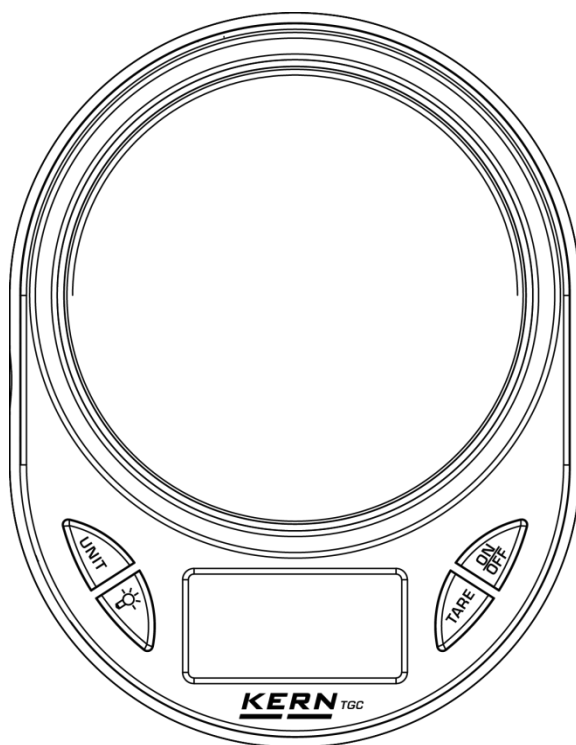
## Electronic pocket scales

### KERN TGC

Version 1.0

2018-07

GB



TGC-BA-e-1810



# KERN TGC

Version 1.0 2018-07

**Operating manual**  
**Electronic pocket scales**

## 1. Technical data

KERN	TGC 150-2	TGC 500-1-A	TGC 1K-3
Item no./ Type	TTGC 150-2-A	TGC 500-1-A	TGC 1K-3-A
Readability (d)	0.01 g	0.1 g	1 g
Weighing range (max)	150 g	500 g	1000 g
Adjustment weight, not added (class)	50 g / 150 g (M2)	500 g (M3)	1000 g (M3)
Operating temperature	+ 0°...+ 40°C		
Humidity of air	20% ~ 80% air humidity (non-condensing)		
Batteries	2 x CR2032		

## 2. Scope of delivery

- Pocket scale
- Balance cover
- Batteries (2 x CR2032)
- Operating manual

## 3. Keyboard overview

	Switch-over weighing unit 
	Background illumination of the display on/off
	Taring / Setting to zero
	Switch on/off

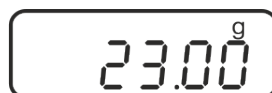
## 4. Operation

### Weighing:

- ⇒ Place the balance on a firm, level surface.
- ⇒ Press **ON/OFF** button, the balance completes a self check. As soon as the weight display appears, the balance is ready for weighing. If required, set to zero by using **TARE** button.



- ⇒ Place load on pan and read the weighing result.



- ⇒ If necessary, use the **UNIT** button to switch over into the available weighing units.

### Taring:

- ⇒ Deposit empty weighing container.
- ⇒ Press the **TARE** button, the zero display disappears.



- ⇒ Weigh the material, the net weight will be displayed.



- ⇒ When the balance is unloaded the saved taring value is displayed with negative sign.
- ⇒ To delete the stored tare value, remove load from weighing pan and press the **TARE** button.

## 5. Adjustment

- ⇒ Arrange adjustment weight (see chap. 1).  
Info about adjustment weights can be found on the Internet at: <http://www.kern-sohn.com>
- ⇒ Ensure that there are no objects on the weighing pan.
- ⇒ In weighing mode keep the **UNIT** button pressed until **<CAL>** appears.
- ⇒ Press the **ON/OFF** button again and wait until the weight value of the required adjustment weight will appear flashing.
- ⇒ Place adjustment weight. Wait until **<PASS>**, followed by the weight value of the placed adjustment weight will be displayed. After that the adjustment will be finished successfully.
- ⇒ In case of a diverging display the adjustment has failed. Repeat adjustment process.

## 6. Important Notes

- Do not overload balance.
- The occurrence of electromagnetic fields may result in major display deviations. Then change location.
- Avoid high air humidity, vapours and dust.
- Do not bring the balance directly in contact with liquids.
- Do not leave permanent load on the weighing pan.
- Never operate balance in explosive environment. The serial version is not explosion protected.
- Check the balance regularly with external test weights.
- **Warranty claims will be voided when the housing is opened.**

## 7. Declaration of conformity

The current EC/EU Conformity declaration can be found online in:

[www.kern-sohn.com/ce](http://www.kern-sohn.com/ce)