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Operating manual

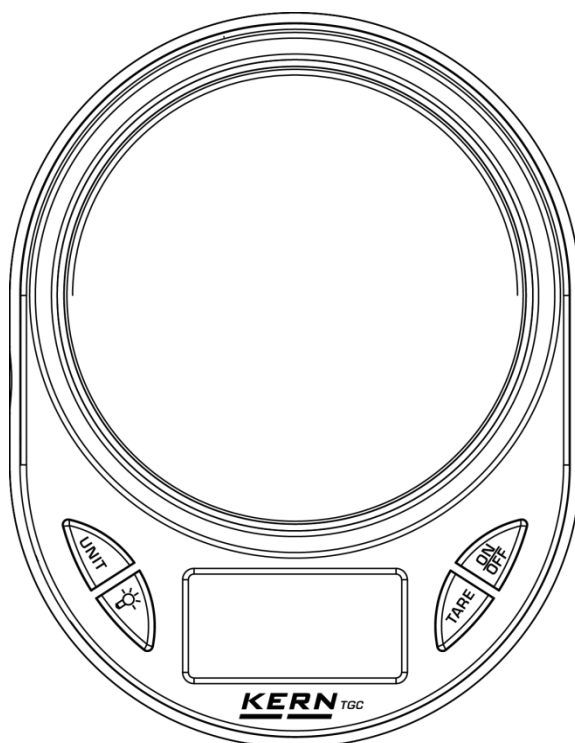
Electronic pocket scales

KERN TGC

Version 1.0

2018-07

GB



TGC-BA-e-1810



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Operating manual

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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