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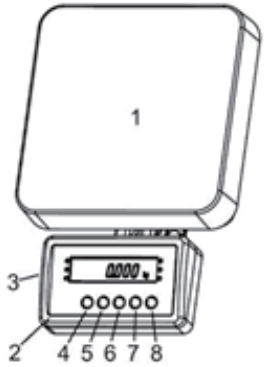
8502
PARCEL SCALE

Instruction Manual

PLEASE SCAN QR CODE TO WATCH THE OPERATION VIDEO OF PRODUCTS.

VIDEO

1.Shape and Installation



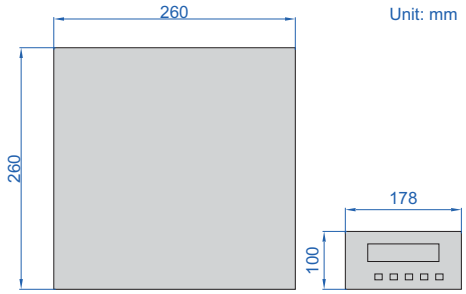
1: Weighing plate
2: Display unit with LED display
3: Power socket
4: ON/OFF
5: UNIT
6: COUNT
7: BRIGHT
8: TARE

■Connect the Display and the plate frame with the data cable. If required, use the rail to fixate the display at a chosen position in front of the plate frame.

2.Basic models and sizes

SPECIFICATION

Code	8502-30	8502-50	8502-60	8502-75
Maximum weighing	30kg	50kg	60kg	75kg
Minimum weighing	2g	20g	20g	20g
Resolution (d)	m≤3kg: 0.1g 3kg<m≤30kg: 1g	1g	1g	1g
Accuracy (m is load)	m≤3kg: ±0.3g; 3kg<m≤30kg: ±3g	±3g	±3g	±3g
Weight of calibration	20kg	50kg	50kg	50kg
Weighing pan size	260×260mm			
Material	platform: ABS plastic, base: die-cast aluminum			
Operation temperature	5~35°C			
Operation humidity	30%~80%RH			
Power supply	power adapter (6V/300mA) or 4×1.5V AA batteries			



3.Cautions

■The electronic balance should be adjusted to the level bubble before use.

■Precise measurements should be warmed up for 30 minutes before use.

■ Power Supply

▲Battery operation: Insert four 1.5V AA batteries in the bottom of the scale.

▲Power supply operation: Insert the round plug into the scale body and connect the power adapter to a 230V socket. Note: This cable can be used for permanent power supply in mains operation. It is not a battery charger. If the scale uses a rechargeable battery, the battery must be charged externally.

■ Environmental

The balance will only work properly if the environmental conditions allow it. Therefore, please note: Unstable workbenches, air movement caused by open windows or breathing, and devices such as cell phones (electric fields) can cause distorted results.

Temperature changes affect the resistance of the electronics and the density of the load cell. This will cause the displayed weight to "run off". Especially after changing location to a room with a lower or higher temperature. This can only be avoided by opening the scale a few minutes before use, giving it some time to acclimatize, then tare it and start using it.

4. Basic Functions

■ Switch on and weighing:

Press ON/OFF button. After booting, the scale will show "0". A small circle appears at the bottom left, and the currently selected weight unit, such as "g" for grams, appears on the right-hand edge. If an object is placed on top, the weight will be determined for a few seconds. The weight can be read as soon as the weight unit is displayed again. The weight appears as. "100 g". If the object is removed, the scale will return to "0 g" and the circle will appear on the lower left when the scale is stable at "0". If the scale is not on “0” before the next measurement, press TARE.

■ Weight units:

The scale displays weight as either kilogram (kg) or pound (lb). It can be changed with UNIT.

■ **TARE:**
After placing an empty bowl, the display can be reset to [0 g] using TARE. When the bowl is filled, only the weight of the content appears. After removing the bowl, the weight of the bowls weight will appear as a negative value on the display. To reset to (0g), tap TARE. Note: TARE only affects what is shown in the display as a subtraction. It must be considered in the max. capacity. If you place a 1kg bowl, this can only be filled with 29 kg.

■ **BRIGHT:**
The Illumination of the screen can be changed using BRIGHT button. You can choose between the normal LED power or a less bright display for a longer battery live.

■ **COUNT:**
▲Selection of Sample Number: To count objects accurately, the first step is to select the number of samples to be counted according to the weight of the objects, the available sample numbers are "1-10-20-50-100", in order to avoid counting errors, when counting smaller objects and objects with slight differences in weight, the sample number should be as large as possible.
▲In the case of an empty balance, place one or more samples on the weighing platform, the balance displays the weight of the samples, after the data is stabilized, press the "COUNT" counting key, the balance enters the

counting state, and the balance displays "1", and at the same time, the unit on the right side of the display shows "pcs", and the number of samples placed is counted as 1 unit, and if the number of samples is not 1, then press the "COUNT" counting key again, to select the number of samples matching the selected number of samples. If the number of samples is not 1, press the "COUNT" key again to select the number that matches the selected number of samples, and then place the same kind of objects, the displayed value is the total number of objects, at this time, to return to the normal weighing state, it is necessary to press the "COUNT" counting key again until the unit is not "pcs" (or press the unit conversion key to exit counting state).

■ **Calibration:**
▲NOTE! The scale was calibrated before packing. It comes ready to use!
▲With the adjustment you can adapt the scale to special environmental conditions or for a correction of measurement errors. During the adjustment, the scale will “learn” how heavy a specific reference weight is and adjust the results accordingly. You need the specific reference weight for the adjustment, shown in the table of technical details. It must be more accurate than the scales readout. Those weights will cost more than the scale itself and are not in scope of delivery. They can be rented at local scale technicians.

▲To adjust: Switch on the balance and wait for 0. Now keep UNIT pressed while pressing TARE, then release both keys.
The Display will show the required calibration weight (e.g.: C100 = 100kg reference weight).
Place the weight on the scale. If the weight appears as 20,000kg, the adjustment is complete.

5. Menu Settings

The factory settings are best suited for 90% of all users and offer a good average between a still fast enough response time for most measurements with an OK resistance to bad interference in the environment. However, for special requirements, such as dosing liquid that flows slowly and evenly from a container on the scale over several minutes (drop by drop over a long period), for weighing animals or dosages of tiny amounts of powder, it can make sense to either set the scale more sensitive or more stable. Just: Keep in mind that after reducing or deactivating the filters, the scale will of course filter out less or no environmental interference. Compared to factory settings, greater tolerances can arise.

■ **Start of the settings menu:**
Turn off the scale. In off state: Hold UNIT and tap ON/OFF. The scale starts in setting mode. Use the UNIT button to select the desired setting menu (C1---2 to C2---2). The value can be changed with TARE (C1---1 to C1---2). Press UNIT again after C4, the scale restarts.
▲C1 = Reaction speed: 0 = Dosing mode, very fast weight calculation. 4 = Slow but reliable averaging over several seconds, e.g., for animals
▲C2 = Filter: 0 = Dosing mode, no filter, every change (and error) is displayed. 3 = For solid & heavy objects whose weight does not change on the scale. For animals or on very harsh environmental conditions.
▲C3 = Auto power off. 0 = Disabled, scale stays on. 1 – 4 = In 15 minutes steps up to 1 hour after the last weight change.
After the above parameters have been set, press the calibration key "UNIT" and the balance re-checks itself to zero.

■ **Factory setting:**
Switch off. Press and hold the TARE button, then switch on again and release both buttons. CCCC appears on the display, the scale restarts. All changes in the settings menu as well as a new adjustment are deleted.