

PV Series

Pocket Scale

Instruction Manual

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ELECTRONIC PRECISION SCALE
USER MANUAL

FOR MODEL PV-60, PV-100, PV-200, and PV-500

PLEASE READ BEFORE USING SCALE



1. GENERAL DESCRIPTION

This is a portable top-loading digital electronic scale. The sensing mechanism is a load cell.

2. INSTALLATION

- A. Set the scale on a flat, rigid surface, located away from dust, vibration, extreme heat sources, electromagnetic sources such as electric motors or generators, and fluorescent lamp starters (within 3 feet typically). Any slope may lead to inaccurate readings. For greater accuracy, recalibrate the balance (see below) whenever the balance is relocated.

In the event of temperature change, allow 1-2 minutes for the scale to stabilize.

3. PANEL LAYOUT AND DISPLAY FORMAT

A. Panel Layout

- a. "ON" key – used to turn on the scale.
- b. "TARE" key – used to zero the scale, or for taring a container to eliminate its weight.
- c. "MODE" key – a short press selects grams, oz., troy oz., or pennyweight.
- d. "OFF" key – used to turn off the scale.

B. Display Format

- a. This is a 4-digit liquid crystal display. Weighing units are shown on the right-hand side of the display.
- b. When first turned on, the display shows all possible display segments, confirming that power is "on," and then the scale begins its search for zero.
- c. "EE" or "-EE" indicates overload or underload respectively. When the "E. .E" signal blinks, it indicates that the tare process is prohibited due to the overload or underload conditions.
- d. "Cb" indicates the power from the battery is too low for normal operation.
- e. Battery Saver feature – scale will automatically shut off after an average of 5-7 minutes to save battery life.

4. CALIBRATION PROCEDURE

- A. Make sure scale is in the gram mode.
 - B. Press TARE key – scale will read zero.
 - C. Place correct calibration weight on platform.
 - PV – 500 = 200g calibration weight
 - PV – 200 = 100g calibration weight
 - PV – 100 = 50g calibration weight
 - PV – 60 = 50g calibration weight
- Any electronic balance may be calibrated periodically to assure its accuracy.

D. Press the OFF and MODE keys simultaneously until display shows “CAB”, then release. The scale is now calibrated. The display should read the same as the calibration weight being used.

5. CAUTIONS

- a. Never leave a load on the scale for a prolonged period of time as this may damage the loadcell
- b. Always place a load gently onto the platform. Dropping the weight on may cause PERMANENT DAMAGE to loadcell.
- c. Never try to disassemble the scale, which may PERMANENTLY DAMAGE the mechanism and electronic components. There are no user serviceable parts inside the scale. Maintenance should be done by properly trained technicians.
- d. For maximum accuracy, place loads as near to the center of the platform as possible.
- e. Do not expose the scale to direct sunlight or store in high humidity. Serious jarring of the scale should be avoided.

If your scale reads “E” or “-EE”

Sometimes an electronic scale can be shifted out of its working range, possibly by a jolt in shipping or transportation. When this occurs, your scale tells you by displaying. “EE” or “-EE”. This can be corrected:

1. Press “OFF” and “TARE” simultaneously. The display will show “In” meaning input. You will be able to input the info needed to get the scale back to its normal function.
2. Press “OFF” and “TARE” simultaneously a second time; a number will appear that will count down, pause for a few seconds, and eventually stop at a final number.
3. Press “TARE” AND the scale will display zero.
4. Place the calibration weight* onto the scale and press “OFF” and “MODE” simultaneously until “CAB” appears on the display. A number will then appear, **but not the actual weight of the calibration weight.**
5. Remove the calibration weight from the scale and turn off the scale to get out of the input function. The scale now can be turned back on and should be calibrated normally. At this point, you should be back in business.

If this procedure does not work the first time, we suggest you keep trying.

PV-60 = 50g calibration weight
PV-100 = 50g calibration weight
PV-200 = 100g calibration weight
PV-500 = 200g calibration weight

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