

KEYPAD FUNCTIONS

• **CAL/ MODE:** Press and hold this key to begin calibration procedure as outlined under the CALIBRATION section. After unit is on or calibrated, press and release the Cal/Mode key will change the weighing mode. When balance is turned on the unit initially defaults to the gram (g) mode. The following modes may also be selected: ounces (oz), penny weight (dwt), troy ounces (ozt).

• **ON/ MEMORY:** Press and release to turn on balance. Once the unit is on, the same key operates the additive memory feature. The following steps outline the procedure for cumulative weighing of samples.

1) If needed, place container on weighing pan, wait for stable reading, then press and release "tare" to return balance to zero and permanently remove container weight from the additive procedure.

2) Add first sample until desired weight is achieved.

3) Press and release "memory" to reset unit to zero. The memory symbol (up arrow) appears in the upper left corner, indicating the previous weight value has been stored.

4) Add second sample until desired weight is achieved.

5) Press and release "memory" again. The (up arrow) symbol will disappear and the display will show the combined weight of the first and second samples. Repeat steps 3 through 5 for additional items.

NOTE: When the entire load is removed from the balance, the display will show a negative value equal to the tared value of the container if used. To reset the balance to zero, press and release the tare key.

• **TARE:** Press and release tare to reset the balance to zero. Tare can be used to eliminate the weight value of a container from a sample or procedure. The container weight is permanently removed from the remainder of the procedure.

NOTE: When all weight is removed from the weighing pan, the tared value of a container will be displayed as a negative number. Press and release tare again to return the balance to zero.

• **OFF:** Press and release to turn off balance. The off key is also used to perform the calibration procedure as outlined under calibration.

SUPPLIED ACCESSORIES:

- Calibration Weight: OIML Class M2
Pocket Pro® 250B (1) 200g calibration weight
- 9V Alkaline Battery
- Carry Pouch

Specifications

Models	PP-250B
Capacity (g)	250g
Readability	0.1 g/0.01 oz/0.1 dwt/0.01ozt
Linearity (g)	±0.1
Weighing Modes	g, oz, dwt, ozt
Tare Range	To capacity by subtraction
Calibration	Manual calibration from keypad
Stabilization Time (sec)	3
Maximum Overload	150% of capacity
Overload Indication	"E" with audio tone
Underload Indication	Negative value
Auto Off	4 minutes no activity
Optimum Operating Temperature	64° - 77° F (18-25 C)
Optimum Operating Humidity	Less than 80% RH
Display Type	LCD/ with power up segment test
Audio Tone	Start up, function keys, overload, low battery
Low Battery Indication	"LO" w/10 beep signal
Power Requirements	9V alkaline battery only
Platform Size/Type	3" x 3.25" plastic (75 x 85mm)
Dimensions HxWxD	1" x 3" x 4.75" (25 x 75 x 120mm)
Net Weight (lb/kg)	1/0.5
Included Accessories	(1) 200g calibration weight 9V alkaline battery & carry pouch
Optional Accessories	None

Performance specifications measured within optimum temperature range after recommended warm up and proper calibration. Specifications subject to change without notice.



ACCULAB

Limited Warranty
Effective Date: January 1, 2003

Standard Terms and Conditions

Models: Pocket Pro series PP-250B
ACCULAB warrants the product PP-250B against defects in material and workmanship to the original consumer for a period of twelve (12) months or a maximum of fifteen (15) months from date of sale to authorized ACCULAB distributor. The warranty includes parts, labor and return shipping charges to customer (ground freight).

This specific warranty shall not apply to any product damaged due to accident, misuse, abuse, lightning strike, power surges, improper packaging for shipment to ACCULAB, or service/modification by anyone other than an authorized ACCULAB Technician.

The purchaser's sole remedy, ACCULAB and its suppliers' sole liability are set forth herein. In no event shall ACCULAB or its suppliers be liable for any damages, incidental or consequential, expenses, lost profits, lost savings, or any other claims due to the use or inability to use the product/s. ACCULAB shall limit its obligations under warranty to a time not to exceed the original product warranty period set forth herein. This warranty gives you specific legal rights and you may have other rights, which may be different from state to state.

In the event that service is required, the Customer/Distributor should call ACCULAB (800-656-4400, extension 8342) for proper return authorization. The product must be delivered to ACCULAB, Service Division 6542 Fig Street, Arvada, CO., 80004 within the warranty period, freight charges prepaid. The customer is responsible for product removal, installation and proper packing in order to prevent damage while shipping to ACCULAB Service facility.

This limited warranty supersedes all other warranties pertaining to the ACCULAB products, whether expressed or implied. Claims may be made by calling 800-656-4400/631-254-4299, by fax 800-356-0338/631-253-5472, or in writing to:

ACCULAB

Attn: Warranty Administrator
131 Heartland Blvd., Edgewood, NY 11717

POCKET PRO® SERIES Model PP-250B

Instruction Manual

PLEASE READ COMPLETE INSTRUCTIONS BEFORE USE



ACCULAB®

Phone: 800-656-4400
631-254-4299
Fax: 800-356-0338
631-253-5472
Sales Office: 131 Heartland Blvd.
Edgewood, NY 11717
www.acculab.com

Instruction Manual

Thank you for purchasing an Acculab Electronic Balance. With proper care and treatment it will provide years of reliable service.

Please read all operating instructions carefully.

- **Avoid lengthy exposure to extreme heat or cold.** Your balance works best when operated within the temperature limits listed in the specifications. Allow the unit to acclimate to a stable temperature before calibration.

- **Allow at least 2 minutes of warm up time before starting calibration** to give internal components sufficient time to stabilize.

- **Keep your operating environment as clean as possible.** Electrostatic fields, gravitational fields, dust, dirt, moisture, vibration, air currents, and proximity to other electronic equipment can all have an adverse effect on the reliability and accuracy of your unit.

- **Handle with care.** Gently apply all items to be weighed onto the center of weighing pan. Although designed to be quite durable, avoid rough treatment as this may permanently damage the internal sensor.

OPERATION

Battery Operation:

1) One nine (9) Volt ALKALINE BATTERY is required.

2) To install battery, open battery cover on bottom of balance and connect battery to snap. Place battery into its compartment and replace the cover. Always handle battery lead wires with care. **DO NOT USE EXCESSIVE FORCE!**

3) Remove battery when scale is not used for extended periods.

CALIBRATION

IMPORTANT: The calibration procedure should be done periodically depending on usage.

For best results, repeat this procedure at regular intervals if balance is to be actively weighing for prolonged periods.

NOTE: User calibration is performed through use of the key pad controls and proper calibration weight. Removal of port cover on the right side of unit will void warranty.

Calibration Procedure:

1) Turn balance on and allow unit to warm up and stabilize for two minutes.

2) Press and hold the "CAL" key until calibration weight value appears and flashes on the display.

3) With the calibration weight value still flashing, press the "OFF" key, and the display will read "AL O". After pausing for at least two seconds, place the correct calibration weight gently on the center of weighing pan.

4) The display will momentarily show "AL F" and then return to active weighing. The calibration is complete when the display correctly shows the calibration weight, and the display has stabilized

5) Remove calibration weight and press the tare key to reset the zero point.

NOTE: If "AL E" appears instead of "AL F", this indicates a calibration error has occurred and the calibration process should be repeated. "AL E" can occur if the calibration steps are not followed in the correct order or if an incorrect calibration weight was applied.

FEATURES

- **Power Up Segment Test:** When first turning on the unit, all segments of the display will appear as shown below. This display will remain for approximately three seconds and then reset to zero.



- **Stable Reading Indication:** A right-facing arrow appears on the right side of the display indicating the weighing mode in which the unit is operating. This arrow will disappear during weighing while the unit stabilizes, and then reappear when a stable value is reached.

- **Audio Tone:** Pressing any of the four keys on the front panel will emit a tone indicating registry of the function.

- **Overload:** When an applied load exceeds the unit's capacity, "E" will appear on the display accompanied by intermittent beeps. Remove excessive load immediately. The unit should return to normal operation.

- **Negative Value:** Any tared value or a value left in memory will be displayed as a negative number once all weight is removed from the unit. Press and release tare to return to normal operation.

- **Tare:** The tare feature is designed to allow the user to reset the balance to zero at any time. Tare can also be used to eliminate the value of a pan liner, scoop, beaker, etc. from a sample or procedure, when the weighed material needs to be held in a container and only the net weight of the material is desired. Place the container only (without material) on the weighing pan, wait for a stable reading and then press tare. The unit returns to zero and the weight value of the container is permanently removed from the remainder of the procedure.

NOTE: When all weight is removed from the weighing pan, the tared value of the container will be displayed as a negative number. Press and release the tare key again to return the balance to zero.

- **Memory:** The memory function is designed to allow the user to store values and to then progressively add these values into a sample or procedure. Unlike the tare feature, the unit returns to zero and a memory indication appears at the upper left of the display. After a subsequent weight is added, press memory again. The original value is added to the current value giving the total gross weight of the current sample. The memory feature is useful when multiple weighing of different samples is needed and a total gross weight of all samples is required.

- **Auto Off:** An auto shut off feature is provided to conserve battery power. The unit will automatically turn off after approximately four minutes if no active weighing takes place. Auto shut off will occur with or without a weight applied to the unit, however the unit will stay "on" under active loading and unloading of weight values in excess of 0.1g.

9V Alkaline
Battery
Compartment



Factory Calibration Seal
DO NOT REMOVE
Removal of this seal will void warranty coverage. User calibration performed through keypad operation. Refer to your instruction manual.