

DIGITAL PORTION SCALE
PS-5
OWNER'S Manual

INTRODUCTION

The PS-5 Digital Portion Scale is a compact solid scale, designed to fill a variety of weighing needs. Please read this manual before attempting to put scale into use and keep it handy for future reference.

FCC COMPLIANCE STATEMENT

WARNING! This equipment generates, uses and can radiate radio frequency and if not installed and used in accordance with the instruction manual, may cause interference to radio communications. It has been tested and found to comply with the limits for a Class A computing device pursuant to Subpart J of Part 15 of FCC rules, which are designed to provide reasonable protection against interference when operated in a commercial environment. Operation of this equipment in a residential area may cause interference in which case the user will be responsible to take whatever measures necessary to correct the interference.

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Serial Number
Date of Purchase
Purchased From
RETAIN THIS INFORMATION FOR FUTURE USE

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SPECIFICATIONS Dimensions - - - 7 1/2" W x 7" D x 2 3/4" H Weight - - - - - 4 lb (without batteries) Construction - - - Steel enclosure with 304 stainless steel trav Power ----- 6 VDC four AA alkaline batteries 115 VAC 50/60 Hz with optional AC adapter Display - - - - - 3 1/2 digits in an LCD display with low battery indication and LED capacity indicators Capacity - - - - - Dual key-selectable capacities: 70 x 0.1 oz/1998 x 2g Zero - - - - - - Established during power-on lamp test and maintained automatically by zero-tracking circuitry Tare ----- Key actuated full capacity tare feature

CAUTION!!

This sensitive weighing instrument is equipped with a precision transducer. Properly handled, it will provide years of accurate weighing operation. Although this instrument is protected against moderate overloads, extreme overloading, dropping the instrument, or subjecting it to physical shock or abuse may damage or destroy the instrument.

PRECAUTIONS
Before using this instrument, read this
manual and pay special attention to all
"WARNING" symbols:
IMPORTANT A ELECTRICAL WARNING

INSTALLATION

- 1. Remove the scale from its shipping container and inspect it for shipping damage. Should evidence of damage be found, the carrier should be contacted at once. Retain the shipping container for future storage or shipment of the scale.
- 2. Install the batteries. Refer to BATTERY REPLACEMENT section. If batteries are not to be used, plug the optional AC power adapter into the power jack on the back of the scale.
- 3. Place the scale on a stable, vibration-free location away from direct sunlight and any rapidly moving air source. If the AC power adapter is being used, make certain the cord is stored out of the way of normal traffic.
- 4. Plug the optional AC power adapter (if used) into a 115 VAC 50/60 HZ grounded wall outlet.
- 5. The scale is now ready for use.

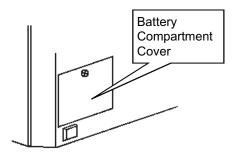
BATTERY REPLACEMENT

This instrument is designed for operation from either four (4) AA Alkaline batteries or an optional AC power adapter. A low battery signal is provided in the weight display to indicate when the batteries should be replaced. Remember to use only size AA Alkaline batteries in the instrument.

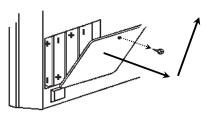
- 1. Turn the scale bottom side up and remove the single screw from the battery compartment cover. Remove the cover from the base by lifting up and pulling outward as shown.
- Remove the old batteries and replace with fresh ones. Make certain the + and - ends of the batteries match the positions shown on the scale circuit boards as shown. Replace the battery compartment cover and retaining screw.

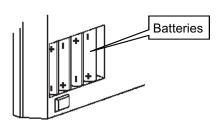


- 1. TURN THE SCALE ON Press the ON-TARE key.
- SELECT THE WEIGHING UNIT Press the WT-UNIT key to alternate between ounces and gram weight displays. A red indicator light will illuminate to show the selected units. NOTE! In Grams only mode, the WT-UNIT key is disabled.
- WEIGH Place the item to be weighed on the tray and read the weight in the digital display.
- 4. TO RE-ZERO THE WEIGHT DISPLAY Press the ON-TARE key. The instrument will zero up to the full capacity of the scale.



Pull cover out and up





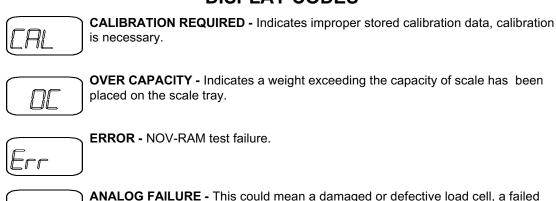


The membrane keyboard is not to be operated with pointed objects (pencils, pens, fingernails, etc). Damage to keyboard resulting from this practice will *NOT* be covered under warranty.

AUTOMATIC SHUT-OFF FEATURE

This scale is equipped with an automatic shut-off feature that helps prolong battery life by turning the scale off after a predetermined period of inactivity. To turn the scale back on you must press the **ON-TARE** key. The automatic shut-off feature is activated during the setup and calibration procedure and can be set for 1, 2, 5, 10, or 15 minutes of inactivity before the scale will automatically shut off. The automatic shut-off feature may be disabled by selecting OFF during setup and calibration procedure.

DISPLAY CODES



SETUP AND CALIBRATION

component in the analog circuity of the scale or the platform isn't on or is on

Your scale has been thoroughly tested and calibrated before being shipped to you and should not require adjustment. In the event the scale should need re-calibration, the following calibration procedure should be performed. To maintain the scale's high degree of accuracy, it is recommended that a qualified technician with certified test weights re-calibrate the scale.

In order to perform Setup and Calibration, it is necessary to remove the "Do Not Remove" sticker from the lower right side of the scale. With the sticker removed, locate the Setup and Calibration switch in the opening closest to the front of the scale. Refer to the figure on the next page.



NOTE: If operating from batteries, install the batteries making certain that they are positioned in accordance with the drawing on the circuit board. If using the optional AC power adapter, insert the plug into the jack on the back of the scale.

BEGIN SETUP and CALIBRATION

incorrectly.

- 1. Making certain the scale tray is empty, press and hold the setup and calibration switch located on the lower right side of the scale. Refer to the figure on the next page.
- 2. Press the **ON/TARE** key to turn the scale on. Release the setup and calibration switch when the display is showing *SER*.

SCALE MODEL

The display will show SLR. Press the **WT/UNIT** key to display the current setting. For a PS-5 the display should show P-5. Press the **WT/UNIT** key until P-5 is displayed. Press the **ON/TARE** key to save the setting.

CALIBRATION

The display will show EAL. Press the **WT/UNIT** key to display the current setting. To calibrate the scale, press the **WT/UNIT** key until AES is displayed, then press the **ON/TARE** key. The display will change to LDA.

To skip calibration, press the **WT/UNIT** key until n_{\square} is displayed, then press the **ON/TARE** key to continue the setup.

LOAD WEIGHT

With the display will showing $L\Box d$, place a (2) lb certified test weight on the scale tray. Allow approximately five seconds for the scale to stabilize. Press the **ON/TARE** key to start the calibration. Dashes will be displayed from the left to the right of the display momentarily, then the display will change to $\Box Ld$.

SETUP AND CALIBRATION, CONT.

UNLOAD WEIGHT

With the display showing uLd, remove the 2 lb test weight from the scale tray. Allow approximately five seconds for the scale to stabilize, then press the **ON/TARE** key to continue the calibration. Dashes will be displayed from the left to the right of the display momentarily, then the display will change to unE.



If $Er\Pi$ is displayed during the $L\square d$ or uld calibration sequence, remove the test weight from the scale and verify that it is the correct weight (2 lbs) or insure that the scale is empty and nothing is touching the scale tray. The display will return to $L\square d$ or uld allowing you to continue with calibration and setup.

WEIGHING UNITS

With the display showing unt, press the **WT/UNIT** key to display the current setting for the default weighing unit. The display will show - - - and turn on the red indicator for the weight unit (oz or gm) or 1 and the red indicator for (gm) for the "Grams only" mode. Press the **WT/UNIT** key until the desired weight unit is indicated. Press the **ON/TARE** key to save the setting.

AUTOMATIC SHUTOFF

The display will show ASH. Press the **WT/UNIT** key to display the current setting. Press the **WT/UNIT** key until the desired number of minutes of inactivity before the scale will automatically shutoff is displayed. Values of 1, 2, 5, 10, or 15 minutes or OFF are available. Selecting OFF will disable the automatic shutoff feature. Press the **ON / TARE** key to save the setting.

POWER UP ZERO

The display will show $P \sqcup \square$. Press the **WT/UNIT** key to display the current setting. Press the **WT/UNIT** key to select $\exists E S$ to enable or $n \square$ to disable. Press the **ON / TARE** key to save the setting.

DONE

The scale will briefly display dnE, then reset to the Operation weight mode.

SETUP REVIEW

The Setup Review mode allows you to review and change several operational parameters as desired without having to enter the setup and calibration mode. To enter the setup review mode, you need to turn the scale off by pressing the **WT/UNIT** and **ON-TARE** keys simultaneously and then pressing and holding the **ON-TARE** key until the red indicator of the selected weight units begins to flash. After the red indicator begins to flash, release the **ON-TARE** key. The display will show <code>unb</code>, the prompt for the weighing units. Refer to the instructions listed in the Setup and Calibration section for information on how to change these parameters. The parameters in the setup review that can be change are as follows:

WEIGHING UNITS AUTOMATIC SHUTOFF

