

(PDF Format By RightOnScales.com)

## Palmscale 6.0 Manual & Calibration Guide

This is the Owners Manual and Calibration guide for all Palmscales. For advanced Palmscale information, see Palmscale 6.0 Advanced Programming/Repair at the bottom of this manual.

**\*If your PS6 will not charge it's battery, please click go to:**  
<http://www.myweigh.com/ps6docking.html>

**SPECIAL TROUBLESHOOTING NOTE:** If your PS6 won't turn on (the screen is entirely blank) and you've tried recharging the scale without any change, please remove and then properly re-install the battery. That will usually fix the problem. Although this has only happened a couple of times to date, it is possible that if certain scales are seriously shaken (usually during shipping) for the metal battery springs to move slightly and stop making proper contact with the battery.

# PALMSCALE 6.0

## OPERATION AND CALIBRATION INSTRUCTIONS

This scale is very easy to operate. However, there are certain caring and operation instructions you should read before your first use. We know taking the time to read these instructions is time consuming, but this scale is a precision instrument and must be handled with the utmost care.

### **IMPORTANT:**

- 1) To open the scale, slide the switch on the right side of the scale
- 2) Do not get the scale wet or hot and do not operate on any wet or hot surface. To clean the scale, wipe the surface with a clean damp cloth or mild non-abrasive cleaner. Do not use any abrasive cleaner because it may damage the finish.

platform. **You may permanently damage the load cell.**

- 4) Handle the scale with care. This is a precision instrument and should never be dropped or otherwise mishandled.
- 5) SEQ CHAPTER \h \r 1Place the item to be weighed on the platform, after the stable weight is displayed remove the item immediately. This will prolong the longevity and accuracy of this weighing instrument.
- 6) Do not leave anything on the scale when not is use.
- 7) If the scale is excessively cold or hot, allow the scale to warm up to normal room temperature for at least 1 hour prior to use.
- 8) **Do not operate a cell phone or cordless phone within 10 feet of the scale\*\*\*\*** It may temporarily cause the scale to malfunction.
- 9) **Only recharge the scale when the batteries are low.** When the display reads "Lo", please recharge the battery using the charging station.
- 10) In the unlikely event that the scale permanently "locks up" or shows ERR, visit [www.myweigh.com](http://www.myweigh.com) for Advanced Troubleshooting.
- 11) If your scale should require recalibration, please refer to the calibration guide on the next page.
- 12) Please keep your scale in it's protective pouch when not in use.

## **INSTRUCTION MANUAL**

1. Do not put anything on the scale tray before you turn it on.
2. Turn the scale on by pressing the POWER key. After 2 seconds, the display will read "0.0g".
3. Always allow the scale to warm up for at least 30 seconds before weighing for accuracy & stability.
4. Place the item to be weighed on the center of the platform and read the value on the display.
5. **TARE Function:** If you need to weigh loose items or anything in a container or tray you should: 1) Turn the scale ON. 2) Place the empty container or tray on the platform. 3) Press the TARE button. 4) Place the items to be weighed into the container / tray. 5) The exact weight of the items will show. (use your tweezers to handle all gems)
6. The scale has an Auto-Off feature that turns off the scale after lapses of non-activity. If the scale is in a room with wind or air movement, it may sense the pressure of the air and not auto-off. In this case simply press POWER to turn the scale off manually.
7. **MODE Function:** This scale has the ability to weigh in grams or ounces. The selection is done by simply pressing the MODE key once the scale is on (Look for the g, oz, ozt, dwt or ct on the top of the display).

8. **BACKLIGHT:** The backlight will be automatically turned on whenever the reading change is more than 0.5g. You can also turn it on manually by pressing the LIGHT key. The backlight will automatically turn off after a few seconds.

9. **Battery Charging:**

To prolong battery life only charge the scale when the batteries are low. Attach the AC adaptor to the docking station (at the rear). Plug the power supply into an AC outlet. The GREEN LED comes on indicating that the connection is normal. Place the scale in the charging station with the front cover facing up. The RED LED comes on indicating that the battery is charging. When the battery is fully charged, the GREEN LED will come on again and the scale can be removed for use.

10. **Temperature:** The recommended operating temperature is 64-82F (16-25C). Please only operate the scale at recommended temperatures.

CAPACITY OF SCALE: 250G ACCURACY: +/- 0.1g

### **CALIBRATION INSTRUCTIONS**

THIS SCALE IS ACCURATE WITHIN 0.1g, only calibrate if your readings are inaccurate beyond 0.1g. Allow your scale to warm up for several seconds before calibration. Always move your hands very gently during calibration as to not cause vibrations or air movement.

1. PLACE THE SCALE ON A FLAT SURFACE THAT HAS NO VIBRATIONS AND MAKE SURE THERE IS ABSOLUTELY NO AIR MOVEMENT. (SURFACE MUST BE EXTREMELY STABLE).
2. TURN THE SCALE OFF AND CLEAR THE PLATFORM (MAKE SURE **NOTHING** IS ON THE PLATFORM **NOT** EVEN THE PLASTIC TRAY).
3. TURN THE SCALE ON BY PRESSING the POWER key.
4. WHEN THE DISPLAY SHOWS 0.0, WAIT 5 SECONDS AND THEN PLACE A 100 GRAM WEIGHT ON THE CENTER OF THE PLATFORM.
5. WAIT FOR THE DISPLAY TO STABILIZE, THEN PRESS AND HOLD THE **MODE** KEY FOR 10 SECONDS. THE DISPLAY WILL FLASH 100.0 TWICE, *(THIS WILL TAKE ABOUT 7 SECONDS, CONTINUE TO HOLD THE KEY FOR AN EXTRA COUPLE OF SECONDS AFTER IT HAS STOPPED FLASHING)*
6. RELEASE THE **MODE** KEY AND REMOVE THE WEIGHT FROM THE PLATFORM. CALIBRATION IS COMPLETE

***IF THE READINGS ARE INACCURATE, PERFORM CALIBRATION AGAIN.  
IF YOUR SCALE WILL NOT PROPERLY CALIBRATE OR SHOWS "ERR"  
PLEASE VISIT OUR WEBSITE FOR ADVANCED CALIBRATION &  
TROUBLESHOOTING INSTRUCTIONS***

### ***BATTERY INSTRUCTIONS***

*ONLY RECHARGE THE SCALE WHEN THE BATTERY IS LOW. THIS WILL  
PROLONG THE NIMH BATTERY LIFE.*

### ***CAUTION***

*DANGER OF EXPLOSION IF BATTERY IS INCORRECTLY REPLACED.  
REPLACE ONLY WITH THE SAME TYPE OF RECHARGEABLE  
BATTERIES. INSTALLATION OF NON-RECHARGEABLE BATTERIES  
COULD CAUSE AN EXPLOSION IF YOU PLACE THE SCALE IN THE  
DOCKING STATION (ATTEMPTING TO CHARGE A NON-RECHARGEABLE  
BATTERY CAN CAUSE AN EXPLOSION OR FIRE)*

### ***ADVANCED STABILITY FEATURE (ASF)***

This scale has a stability indicator, the letter "S" in the top left corner of the screen. Whenever the letter "S" is displayed that means the displayed weight is stable.

### ***TOOLS (ONBOARD)***

The PALMSCALE 6.0 has on-board tools for handling gems and other loose materials. You can find an on-board scoop and tweezers on the bottom of the scale.

## **EXPANSION TRAY AND BOWL FOR LOOSE ITEMS**

There is a platform expansion tray and bowl included in the box. They are designed to fit on top of the platform. Simply install the tray or bowl and then turn the scale ON.

***\*\*\*IF YOU HAVE QUESTIONS OR NEED ASSISTANCE PLEASE VISIT [WWW.MYWEIGH.COM](http://WWW.MYWEIGH.COM) WE CAN USUALLY HELP YOU FIX YOUR SCALE VERY QUICKLY SO PLEASE CONTACT US IF YOU NEED ANY HELP. IF YOU WANT TO LEARN MORE ABOUT YOUR SCALE OR NEED REPLACEMENT PARTS, VISIT [WWW.MYWEIGH.COM](http://WWW.MYWEIGH.COM)***

There is an advanced troubleshooting and programming guide available online for this scale at our website.

### **Words of Advice:**

The PALMSCALE 6.0 is undoubtedly one of the coolest pocket scales ever created and the first of its kind. Please remember that this is a precision instrument. It is essential that you never drop, shake or otherwise mishandle this instrument. Electronic precision scales use delicate sensors that can easily be damaged if the scale is excessively shocked, dropped or overload. An abused scale will only work until its sensors are damaged, but a well kept scale will last for your lifetime.

**Please be good to your PALMSCALE !**

**My Weigh is the Best Weigh !**

## **PALMSCALE 6.0 REPROGRAMMING**

These instructions are only for Palmscale 6.0. Your box should say "Palmscale 6.0" and your quick user guide (inside the cover of the scale) should say "Palmscale 6.0".

**Pre-read this entire section before you begin.** These instructions should only to be used if you changed the settings in your Palmscale by accident, or if your scale is showing ERR, or if it is giving false or inaccurate readings. Follow these instructions to reset the scale and change the settings back to the correct settings This is not an easy procedure and must only be done if necessary.

In Programming mode pressing the MODE key will increase the blinking number, Pressing the TARE key will shift the blinking number to the next line. If you press the MODE key it simply increases the number. So if the blinking number is 1 and you press the MODE key, it will increase that number to 2. The TARE key shifts the blinking digit to the next line.

### **Palmscale 6 Advanced Programming**

#### **Version (1)-with BACKLIGHT button :**

1. Turn on the scale and wait for 0.0g.
2. Press and hold TARE for 5 sec.
3. Page 1 = 7115. If it does not show the correct number, use TARE (shift digit) and MODE (adjust value) to change it. Press BACKLIGHT.
4. Page 2 = 8295. If it does not show the correct number, use TARE (shift digit) and MODE (adjust value) to change it. Press BACKLIGHT .
5. Page 3 = 5091 \*(note it may be slightly different), Do not change it. Press BACKLIGHT.
6. When you see a steady 3 digit (or 4 digit) number ("S" icon must be turned on). Press TARE shortly and release. You will see the version number e.g. "E2.41" or "F2.41" when you press the TARE button.
7. Put the 100g standard weight on the platform and wait until the 4 digit number is steady (check "S" icon). Press BACKLIGHT. It'll show "2500".
8. Use TARE (shift digit) and MODE (adjust value) to change the display from "2500" to "1000". Press BACKLIGHT.
9. It'll show "OFF" and the process is complete.

### **Version (2)-without BACKLIGHT button :**

1. Turn on the scale and wait for 0.0g.
2. Press and hold OFF for 5 sec.
3. Page 1 = 7115. If it does not show the correct number, use TARE (shift digit) and MODE (adjust value) to change it. Press OFF.
4. Page 2 = 8295. If it does not show the correct number, use TARE (shift digit) and MODE (adjust value) to change it. Press OFF .
5. Page 3 = XXXX, Do not change it. Press OFF.
6. When you see a steady 3 digit (or 4 digit) number ("S" icon must be turned on). Press TARE shortly and release. You will see the version number e.g. "E2.41" or "F2.41" when you press the TARE button.
7. Put the 100g standard weight on the platform and wait until the 4 digit number is steady (check "S" icon). Press OFF. It'll show "2500".
8. Use TARE (shift digit) and MODE (adjust value) to change the display from "2500" to "1000". Press OFF.
9. It'll show "OFF" and the process is complete.

### **PALMSCALE "Last Ditched Effort" REPAIR GUIDE**

This is an extremely advanced repair guide for the Palmscale. These instructions are only to be used if you are absolutely sure your scale is "beyond repair" and you would like to make a last ditched effort to get it working again. It can only be used for scale problems caused by shock or overload that bends the load cell too far down.

1. Turn the scale ON. "Err" may appear. Just turn it on anyway.
2. Follow the instructions above to get to the gravitational random number.
3. If the random number is higher then 1000, that means the load cell has been overloaded. You can try prying up on the tray until the random number (the AD Value) changes to a number lower then 1000 (ie 500 or 800). Basically you're bending the load cell back upwards trying to get the scale to come back to use.
4. Turn the scale OFF (or follow the instructions above to complete the advanced calibration.
5. Proceed to recalibrate the scale and hopefully it will work fine.

Please [email us](#) to let us know if these instructions have worked for you or if you found some other way to get your scale working again.

## **PALMSCALE "Flashing 88888" Underload Repair**

This will help you if your scale is flashing intermittently "88888". The flashing 88888 indicates that the scale has been underloaded. What this means is that the scale was dropped or shocked and the load cell was bent upwards. This can often be repaired by simply pressing down on the weighing platform to lightly bend the load cell back downwards. Be careful not to press too hard - basically you want to use just enough force to get the scale to work.

1. Turn the scale ON (it will flash 88888)
2. Press down on the tray with light-medium force and release. If the scale stops flashing 8888 and shows 0 (0.0) you are done. If the scale continues to flash 88888 then try pressing a bit harder, and repeat
3. If you are unable to get the scale to work properly using this method then you must send the scale in for warranty replacement/repair. Please follow our warranty instructions.

Please [email us](#) to let us know if these instructions have worked for you or if you found some other way to get your scale working again.

### **Palmscale Specific Error Codes & Troubleshooting:**

1) If the Display ever becomes locked on err, and the above guide does not help you to repair this error, then this is a fatal error code and indicates that the scale was shocked, dropped or otherwise damaged beyond user repair. The delicate weighing sensors have been damaged. **You will have to follow the warranty instructions that came with your scale.** Usually this happens when a scale has been shipped and improperly packed or mishandled by a shipping company.

2) If the display becomes locked on 8888, this often indicates low batteries. However sometimes it also may indicate a serious zero mark error. This means when you turn the scale on, it can't determine what zero is (a slight zero mark error will cause situation #2 above, but a serious zero mark error will cause the scale to not even be able to show 0.0 when you turn it on. First try new batteries, then try the advanced guide above. If neither of these things fix the error, the scale will have to be sent to us for replacement under our Lifetime/30 year warranty program.

Yes, we know that it absolutely "stinks" when a scale is broken beyond repair. The problem is that scales are much more delicate than other instruments (such as cell phones) and they are susceptible to damage from shock or overload. You can drop most cell phones many times and they will continue to work properly. However a scale is designed to measure loads, thus a shock is measured as a load and picked up by the internal sensors of the scale. Too high of a shock will permanently damage the sensors.

Sensors can only be replaced by our technicians in a laboratory style clean room facility.