



OPK-P/S Series

User Manual

Warnings

- Avoid using the balance in any harsh environment.
- Only trained professionals are allowed to do repair work.
- Turn power off before connecting/disconnecting the power source.
- Avoid overloading or dropping material onto the platform as that could damage the balance.
- Do not spill liquids on the balance as that could damage the balance.
- Material that has a static charge could influence the performance of the balance.
- Electromagnetic interference can affect the reading of the balance.
- Unplug the power before cleaning and use a piece of soft cloth (do not use any aggressive cleaning agent); Make sure no liquid enters the balance.

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Overview

Thank you for using Optima scales for your important application. Here is the list of models this manual covers:

Model #	Max Weight (grams)	Accuracy (grams)
OPK-P-250	250	0.1
OPK-P-500	500	0.1
OPK-P-2500	2500	1
OPK-P-5000	5000	2
OPK-S-250	250	0.1
OPK-S-500	500	0.1
OPK-S-2500	2500	1
OPK-S-5000	5000	2

Note: P = Plastic platter S = Stainless platter

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Contents

- Scale main unit
- Scale pan
- User Manual
- AC adapter : 12V/100mA
- 4 x AA size battery (not included)

Preparation

1. Carefully remove contents from the package which may include fragile parts.
2. Carefully assemble the scale by placing the scale pan.
3. Place the scale in a firm and flat surface, and avoid location where the scale maybe subject to vibration, sunlight, airflow, contact with water, and strong electromagnetic wave.
4. Level the scale by using the bubble level indicator (if available) and adjusting the feet of the scale.
5. Locate scale in the following condition:
 1. Temperature : 0°C ~ 40°C
6. Plug in the scale to a surge protected power outlet if using the AC adapter. If using batteries, carefully install the 4 AA batteries by opening the battery compartment cover and making sure the polarity is correct.
7. Press the ON/OFF key in the front panel to turn the scale on and wait for it to finish initialization (i.e. when the display shows a weight of 0).
8. Let the scale warm up for 1 minute before calibration and use.
9. Make sure any weight placed on the scale is not beyond the rated maximum.
10. If scale is not used for an extended period of time, disconnect all power including the 4 AA batteries.

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Calibration

After all the preparation procedure has been performed (remember the scale needs to warm up for 1 minute), follow the steps below for calibration:

1. If the scale is not already on, press the ON/OFF key to turn on the scale and warm up for 1 minute.
2. Press the ON/OFF key to turn scale off.
3. Making sure there is no weight on the pan, press the ON/OFF key once to turn on the scale.
4. Press the TARE key once.
5. Press and hold the MENU key until the display show "CAL".
6. Press the MENU key once, and the displayed "CAL" flashes.
7. Place the calibration weight as shown on the display on the pan.
8. When display shows "PASS", the calibration procedure is completed. If display shows "FAIL", the unit will turn off automatically.
9. After initialization is done, put the calibration weight again to confirm the value. If it's correct, the calibration is done correctly. If not, repeat the calibration steps.

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Basic Weighing

After the scale has been properly calibrated, the scale is now ready for use:

1. If scale is not on, press the ON/OFF key to turn the scale on.
2. Make sure the display is showing 0 after initialization. If not, press the ZERO key to zero out the display.
3. Place the object(s) of interest on the scale pan as close to the center as possible.
4. Read the value on the display.
5. Remember NOT to overload the scale since this may permanently damage the scale.

Units

The available units are grams, OZ, and Carats.

Tare

To tare, follow the procedure below:

1. Make sure the scale is stabilized.
2. Press the ZERO key.

Low Battery Indicator

When the display shows a battery symbol, it is time to replace the battery.

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Troubleshooting

Q: The scale is not showing an accurate reading.

A: Make sure the scale is placed on a firm and flat surface and that there are no external interference. Please revisit the “Preparation” section of this manual. Also, please make sure the calibration procedure has been performed correctly. It won't hurt to run through the calibration process again when in doubt!!!!

Q: The scale does not turn on.

A: Make sure the power cord is plugged in, and that there is power. One easy way to test this is by connecting another appliance to the same outlet and see if it's operational.

Technical Support

Please email support@optimascale.com if you have any further questions.