

Quick Guide Manual PMV PRO Mini MODEL #3001



PRO Mini Manual

Find enclosed:

- PMV PRO Mini model #3001
- Wand (optional)
- USB-C cable for charging and use with Windows Tablet or PC

This instrument is used to assist in the determination of validity of precious metals.

The use of this instrument and its results are for informational purposes only.

Determination of the validity of samples is strictly the responsibility of the operator, and should be combined as necessary by the user with other methods of measurement or inspection.

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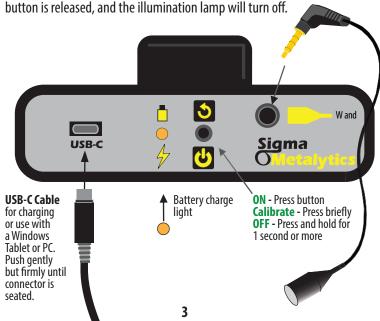
Getting Started

Charging the PRO Mini

• Plug in USB-C Cable Charging is much more rapid if the instrument is off. Charging light will remain dimly lit while the battery is being charged, even while instrument is off.

Powering ON/OFF

- Turn ON the PRO Mini Press the small black button on the endplate. The white sample illumination lamp under the Sensor Bar will light, indicating the instrument is powered on.
- Turn OFF the PRO Mini Press and hold the small black button on the endplate for more than 1 second. The instrument will power off when the button is released, and the illumination lamp will turn off.

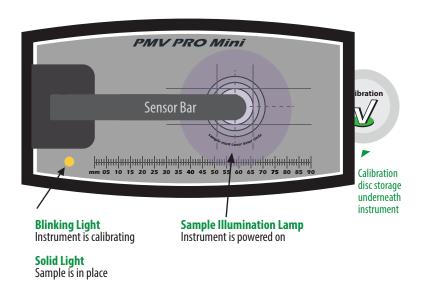


Getting Started

Calibrating the PRO Mini

• Calibrating The PRO Mini will automatically calibrate when powering on. If calibration is needed during use, press the power button briefly and the yellow light will blink rapidly a few times, during which the instrument is calibrating.

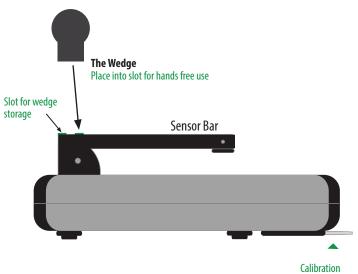
NOTE: The instrument must be clear of samples and the sensor bar should be in the raised position during calibration. Otherwise, calibration will be incorrect, and calibration will have to be repeated with these conditions met.



Hands Free Use

The Wedge

Hands Free Use The wedge, provided with the instrument, allows for hands free use of the PRO Mini. Place the wedge into the slot at the base of the sensor bar to hold the arm in place.

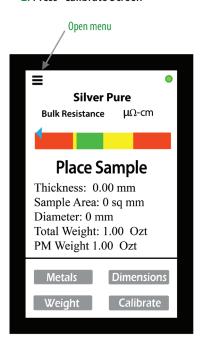


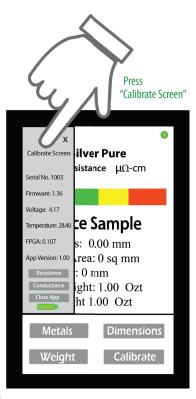
disc storage underneath instrument

Screen Calibration

Calibration

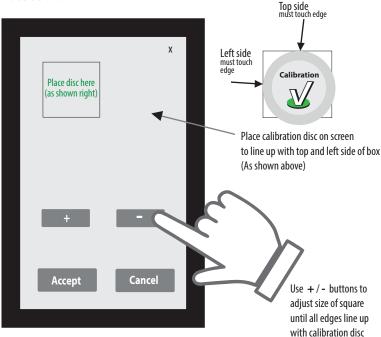
- 1. Open the menu at the top left of the screen
- 2. Press "Calibrate Screen"





Screen Calibration

3. A box will appear on the screen. Place the Calibration Disc on the screen so that the edge of the disc aligns with the top and left edges of the box, see below:



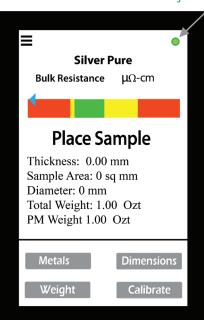
- 4. Adjust the width and height using the + / buttons on the screen to adjust the square size until the bottom and right edge of the calibration disc are lined up. Accurate calibration is when all 4 edges of the box are aligned with the caibration disc.
- 5. Press "Save or Accept" button. The instrument will save the screen scale to accurately display expected sample size.

The Measurement Screen

The Measurement Screen

The PRO Mini Measurement Screen Once connected, the PRO Mini will display the measurement screen on the host device.

NOTE: A blinking green indicator will display in the upper right hand corner of the measurement screen to indicate the PRO Mini is connected.



Green light shows host is connected

Thickness = sample thickness

Sample Area = Expected area of the sample given weight and thickness

Diameter = Expected diameter if sample is round

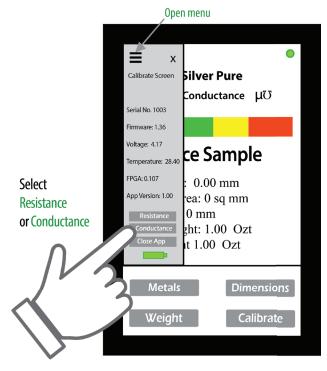
Total Weight = User entered weight

PM Weight = User entered weight

Entering Information

Resistance and Conductance

- 1. Open the menu at the top left of the screen
- 2. Press "Resistance" or "Conductance"

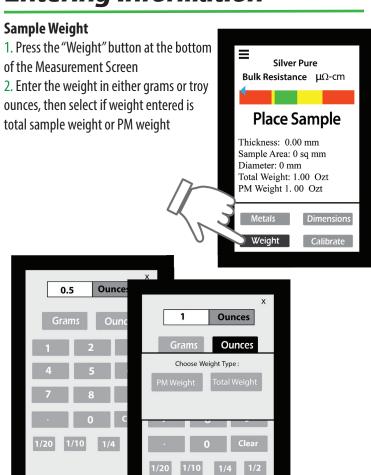


Device will save setting for future use

Entering Information



Entering Information



Place Sample

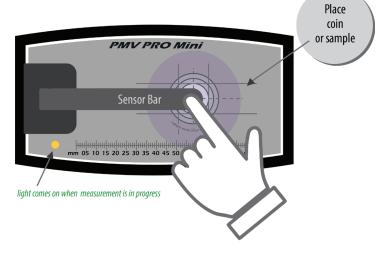
1. Place sample on target under bridge arm

NOTE: The sample must entirely cover the inner circle of the target to be accurately measured.

2. Press the sensor bar down to make contact with sample or sample holder

NOTE: Press the sensor bar gently but firmly so the sensor in the arm rotates to be in flat

contact with the sample.



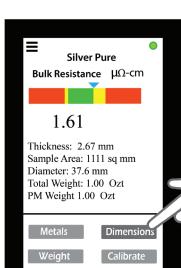
NOTE: Use the wedge for hands free measurement (see page 5)

Basic Reading

- 1. Within 4 seconds the reading will stabilize. The thickness, diameter, and sample area will also be displayed
- 2. If the arrow is in the green area of the graph display, then the sample is reading is within expected range for the selected alloy type
- 3. The yellow area of the graph indicates caution. If the arrow is in the yellow, then the sample is within the edge of expected range, but check weight, size, and appearance carefully
- 4. If the arrow is in the red area of the graph, the sample is not within the expected range for a valid alloy

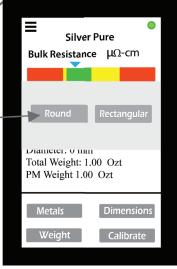


Sample reading of a pure silver coin

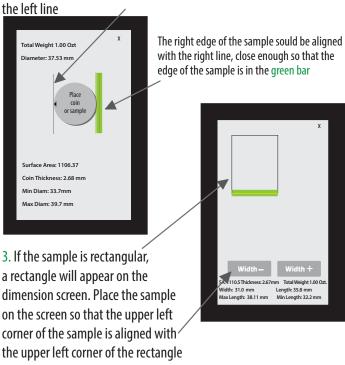


Sample Dimensions

1. When the reading has stabilized, the instrument is ready to display the expected sample dimensions



2. If the sample is round, 2 lines will appear on the screen. Place the sample on the screen so that the left edge of the sample is aligned with



4. Adjust width with + / - buttons until the rectangle matches sample width

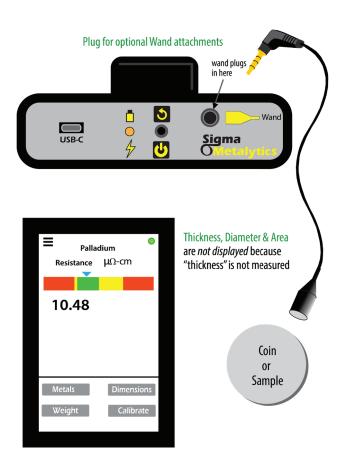
Errors

Example Error Messages

- 1. Sample case is too thick: Case Thick
- 2. Sample is too thin: sample reading will go from yellow to red
- 3. Sample diameter is too small: diameter reading goes from yellow to red



Wand Use





PMV PRO Mini MODEL #3001

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Made in USA U.S. Patents: 10,839,633 10,417.855 and 9.922.487



