

PRESIDIUM MOISSANITE TESTER II

USER HANDBOOK

Congratulations.....

You have selected a product that is a further development of the Presidium Thermal Conductivity Tester, the most reliable and popular instrument of its kind worldwide.

The Presidium Moissanite Tester 2 (PMTII) uses the technology of electrical conductive measurements and is designed specifically for identification of Synthetic Moissanite.

The PMT II is recommended to be used in conjunction with any of the Presidium Thermal Conductivity Testers readily available in your market.

We believe that you will find your instrument useful and that it will serve you well in your professional effort.

Presidium Instruments Pte Ltd

1. Features:

Portable pocket size measuring 160mm x 30mm x 25mm (6.3" x 1.2" x 1.0")

- Operates either on batteries or AC wall mounted power source (Adaptor is optional)
- Uses 3 x AAA size alkaline batteries (batteries are optional)
- Low Power consumption
- Carrying pouch is standard.

2. Preparing gemstones for test:

The gemstones must be clean and dry before testing, elaborate cleaning procedure is not necessary. For accurate testing, the instruments must be operated under normal humidity and at room temperature (18-27 °C or 65-80°F).

Prior to any testing, always allow the gems/jewelry pieces to adjust to room temperature. Never test on gems/jewelry pieces that are wet or frozen. Oil from fingers may cause inaccurate reading.

3. Preparing the Presidium Moissanite Tester for use:

a) Remove the battery cover and insert the batteries into the battery compartment of the instrument (note +/- symbols). Only alkaline batteries should be used to optimize the life of your instrument.

If AC adapter is used, connect one end of the AC adaptor to the instrument and the other end directly to a suitable electrical outlet. Use only adaptor (optional) supplied by the manufacturer.

b) Slide the switch to the ON position, the Ready light will illuminate and the instrument is now ready for immediate use.

c) For testing of mounted pieces - hold the jewelry piece on one hand and the tester on the other. The thumb and any other finger must be in contact with the serrated part of the tester (the serrated parts located on both side nearer to the measuring tip). Push the protruding probe tip with slight pressure at 90 degree angle to the facet of the stone. The test result will be display immediately.

i) For measurement of Moissanite, the window marked MOISSANITE will light up together with an audible continuous beep.

d) After the first test is completed one can immediately continue with subsequent tests.

e) For testing of loose stones - hold the stone rest (a conductive rubber pad provided with your tester) directly on the table with your fingers. The stone to test must seat snugly and in good contact with the cavity of the stone rest. The face of the stone is to face upward. Repeat the test sequence is described in item "c" above.

Notes:

- This tester is not meant for colored or any other type of Synthetic Diamond.
- The instrument has been subjected to thorough and extensive laboratory tests, it will general give clear and reliable indication of the gemstone.
- When testing mounted gemstones smaller than 1.2mm exposed diameter, one used to exercise extreme caution not to touch the measuring tip on any metal part of the jewelry pieces. Confusing result may occur, as all metals are highly conductive and will likely read as Moissanite.
- When any doubt exists, a professional gemologist should perform supporting test.

4. Maintenance:

a) The probe tip of this instrument is very sensitive and it must be handled with extreme care. When the instrument is not in use, always replace the cap to protect the probe tip.

b) Once must stop using the instrument when the low battery indicator window lighted up, this is to prevent inaccurate measurement.

c) Do not leave dead batteries in the battery compartment as they may corrode and damage the instrument. Batteries should be removed when the instrument is to be stored for an extended period of time.

d) For continual measuring accuracy, it is recommended to have your instrument service once a year.

5. Warranty and Disclaimer:

Presidium Instruments Pte Ltd warrants this product against any defective workmanship and / or material as set forth in the Presidium international warranty.

Except to the extent prohibited by applicable law, no other warranties whether express or implied, including warranties of merchantability and fitness for a particular purpose, shall apply to this unit. Under no circumstance shall Presidium be liable for direct or indirect damages sustained in connection with the said unit and Presidium neither assumes nor authorizes any representative or other person to assume for any obligation or forth in the Presidium international warranty.