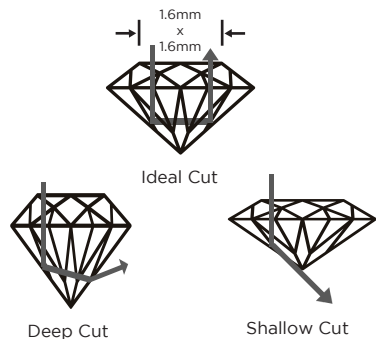


IMPORTANT INFORMATION

- OTi is intended to be used on polished colorless gemstones that are proportionately cut with a minimum table width of 1.6mm x 1.6mm from Color Grade of D to J only.
- Our tip is constructed with fibre optic glass and should be handled carefully.
- For gemstones that have non-ideal cut proportions, inaccuracies may arise due to light leakage. Refer to diagram below.



- For smaller gemstones or gemstones in an enclosed setting, user should allow gemstone to cool down for 3-5 seconds before retesting.
- OTi comes with a replacement tip function.
- Wear protective gloves to shield your skin from possible UV light exposure during testing if holding of loose gemstone in your fingers or the palm of your hands is necessary. It is otherwise recommended to place the stone on the stone rest during testing.

1. GETTING STARTED

Powering up your OTi


- Rechargeable **Lithium** batteries or Power Bank via the provided USB cable is recommended for prolonged usage with portability.
- If electrical power is preferred, ensure that only Presidium universal USB adaptor is used. Kindly note that the adaptor is not meant for charging of batteries.

Turning on your OTi

- Press the power button to turn **ON** the tester. Extend the tip outwards by sliding the knob down.

- Press power button to return to previous page.

2. INITIALIZE DETECTOR

- Initializing detector will occur one time only upon turning on.
- Press the Test icon  and tip will heat up. To initialize detector, depress tip against black disk on the metal stone rest.
- In the event Initialize Detector is unsuccessful, it is possible the tip is defective. User is advised to calibrate and if it does not rectify the problem, a tip replacement is required.
- To check on the functionality of UV LED, gently depress the tip onto a piece of paper. Should you notice a UV LED blue light, this confirms the UV LED is operational. Absence of light indicates a faulty UV LED and need for tip replacement.
- Upon completion, tip will reheat until "Depress tip to start test" appears. Do not perform any test till heating is completed.


Cleaning the Probe Tip

- Gently rub the tip in a circular motion against a piece of paper
- Hold the probe pen with the pen tip forming a right-angle (90-degree) with alcohol wipe.

Cleaning your gemstone prior to testing

- The gemstone should be clean and dry before testing.

3. PERFORMING A TEST

- For testing of loose gemstones, ensure the gemstone is placed securely on the metal stone rest.
- During the test, the tip must be placed at a right angle or perpendicular to the table of the gemstone for an accurate reading.
- Depress tip on the table of gemstone.
- Results will be shown after each test.
- To start next test, wait for the heating icon  to complete or until "Depress tip to start test" appears.

4. READING TEST RESULTS

The test results are indicated as follows:

Results	Description	Sound
Diamond	The tested gemstone has the characteristic light transmittance ability of a Type Ia diamond, suggesting that this could be a Natural Diamond	Single Beep
CVD/HPHT/Type IIa	The tested gemstone has the characteristic light transmittance ability of a Type IIa diamond, suggesting that this could be a CVD/HPHT/Type IIa Diamond	Single Long Beep
Moissanite	The tested gemstone has the characteristic light transmittance ability of a Moissanite, suggesting that this could be a Moissanite	Double Beep
Simulant	The tested gemstone has the characteristic low thermal conductivity compared to diamonds and moissanite, suggesting that this could be a simulant	No Beep

5. SHUTTING DOWN







- Press and hold the power button to initiate shutting down sequence. Retract probe tip from the tester when not in use.

6. OTHER FUNCTIONS

Settings Function

- Press the gear icon  on the main page, to enter the settings function.

Mute/
Unmute

 ENG  1/2 

Tutorial
Language
Page Screen

Screen
Orientation

 ENG  2/2 

Calibration

Calibration

- Depress tip against black disk on the metal stone rest and follow the instructions to complete the calibration.

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Quick Guide
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