

SMARTPRO - AURA FAQs

Smartpro Aura general info

Q1. What color range of diamond that Smartpro Aura can test?

- A. Aura is able to test perfectly of Color D – K stones

Q2. What will Aura result when I test natural Diamond with processed by HPHT to change the color?

- A. Aura will result as unidentified (Refer to Lab)

Q3. How long the scanning UV lamp can be used?

- A. Approximately 675,000 test (Loose mode and Jewelry on Tray mode)

Q4. Can Aura measure the size of diamond accurately?

- A. No, Aura can measure loose mode just in approximately (+/- 0.2 mm)

Jewelry Detection Mode

Q1. How to confirm if the stone is a HPHT Diamond?

- A. HPHT diamonds phosphoresce for few seconds after expose under specific light. usually HPHT absorb light for few second, some of them up to 10 sec. In Aura Jewelry mode result HPHT stones will be shown as red markings.

Q2. How to confirm if the stone is a CVD Diamond?

- A. CVDs have a variety of fluoresce colors under specific light. See the reference images to compare its color from the test result. Most CVDs will mark as red automatically by the software.

Q3. How to confirm if the stone is a Natural Diamond?

- A. Most of Natural Diamonds fluoresce in bluish color and will not phosphoresce. Software will not have red markings on stones for natural diamonds. See the reference images to compare its color from the test result.

Q4. How to confirm if the stone is a CZ?

- A. CZ fluorescence very low greenish and some are bluish. See the reference images to compare its color from the test result. Longwave Fluorescent test using a regular UV light source will help to distinguish Natural Diamond vs Synthetic. Lab Grown Diamonds will not fluoresce unlike about 25% to 30% of Natural Diamonds will do.

Q5. Other than Bluish fluorescence are they diamond or CVD?

- A. Diamonds can fluoresce in a variety of colors. These include orange yellow, yellow, orange, red, white and green. Variations in the atomic structure, such as the number of nitrogen atoms present, cause the phenomenon. Blue, however, is by far the most common color of diamond fluorescence in blue Other than Blue fluorescence we refer to Lab.

Q6. Aura can measure and count in jewelry mode?

- A. No, because of most mounted jewelry diamonds are covered with the metal and be put Very close to each other, so it is why cannot measure and counted.

Loose Detection Mode

Q1. How to know Undefined result if it is HPHT, Natural Diamond, CVD or Moissanite??

- A. HPHT colorless diamonds phosphoresce for few seconds after expose under specific light. The glow usually persists for few second up to 10 second.
Most of Natural Diamonds fluoresce in bluish color and will not phosphoresce.
CVDs that shows as undefined result, we refer check in Laboratory.
Most of Moissanite will not have Fluorescent image under UV. Smartpro Aura will show as undefined result.
Longwave Fluorescent test using a regular UV light source will help to distinguish Natural Diamond vs Synthetic. Lab Grown Diamonds will not fluoresce unlike about 25% to 30% of Natural Diamonds will do.

Q2. Why sometimes show undefined sometimes correct result?

- A. This is due to the position of Stone on tray and fluorescent intensity. If have some stones with unstable result, we recommend to place the stone lying on the pavilion (diameter measurement will not be accurate but the test result will be the best).

Q3. What are the melee diamond size Aura can identify as the result?

- A. The melee diamond size is 0.002 Carat up to 12 Carat.