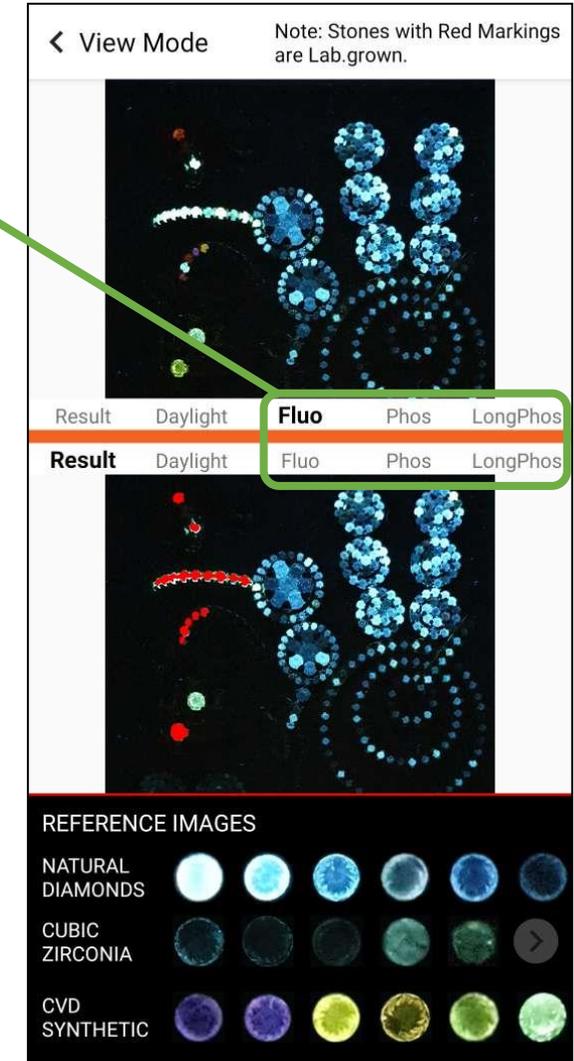


SMARTPRO AURA FAQs v2.1

1. How to know the type of Undetected Stones?

➤ Here are some ways to determine the type of Stones in both Separated and Quick Test Mode:

STONE TYPE	FLUORESCENT (Fluo)	SHORT PHOSPHORESCENT (Phos)	LONG PHOSPHORESCENT (LongPhos)
Natural Diamond	(compare with fluorescent reference images)	Has no image	Has no image
CVD Synthetic	(compare with fluorescent reference images)	Some has no image, some have low glow image	Some has no image, some have very low in glow image
HPHT Synthetic	Has high glow image, some are bright white color image like Diamond	Has a high glow image	Has an image but lower glow than Short Phos (Phos)
Cubic Zirconia (CZ)	(compare with fluorescent reference images)	Has no image	Has no image
Moissanite	No image or pure black image	Has no image	Has no image



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.

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

- Aura can test Colorless Diamond Range D-K only.

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

- It might not be detected or it might show CVD because of its fluorescent color.

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

- Approximately 675,000 test (Separated mode and Quick Test mode)

5. Can Aura measure the size of the diamond accurately?

- Yes, Aura can measure in Separated Mode with +/- 0.5 mm tolerance.

6. How to confirm if the stone is an HPHT Diamond?

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

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

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

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

- 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.

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

- 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 CZ. Cubic Zirconia will not fluoresce unlike Natural Diamonds Fluoresce of about 25% to 30%.

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

- 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.

11. Aura can measure and count in Quick Test mode?

- No, because most mounted jewelry stones are set in a very close setup with other stones and with different mounting setup.

12. Why some stones are not detecting?

- This is due to the same behavior with other stones and to make the tester more accurate as possible. CZ and Moissanite will not be detected, Unknown stones, some Greenish Stones on UV, and some very low Fluoresce stone will not be detected.

13. What is the melee diamond size Aura can identify?

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

14. Are you a Manufacturer?

- Yes. Smartpro Instrument manufactures high-quality gemological instruments for Natural Diamonds, Diamond Simulants/Synthetics, and Gemstones since 2013 located in Bangkok Thailand.

15. How long is your delivery time?

- Small orders we deliver within 5 to 7 days. Bulk orders we deliver within 25 to 35 days depending on quantity.

16. What are the packing details of 1 set shipment of the Smartpro Aura?

- The net weight is about 5.0 kg.
- The Gross weight is about 7.0 kg.
- The Box size is 37 x 29 x 32 cm.

17. What are the Dimensions of the Smartpro Aura?

- Tester Body Dimension is 230 x 301.5 mm

18. What printer should I use to print Test Certificates?

- Users should use a Wi-Fi ready printer. Here are some Wi-Fi printers that are available in the market:
 1. Brother MFC-J5330DW wireless printer
 2. HP LaserJet Pro MFP M227fdw wireless printer
 3. Canon Pixma TS8050 wireless printer
 4. Epson EcoTank ET-4500 wireless printer
 5. Samsung Xpress C1810W wireless printer
 6. Brother MFC-L8690CDW wireless printer
 7. Canon Pixma TR8550 wireless printer
 8. HP LaserJet Pro M15w wireless printer
 9. HP Deskjet 3630 wireless printer
 10. Epson Expression Home XP-5105 wireless printer

Use ISO A4 for the paper size.

Mobile and printer must be connected in the same Wi-Fi router.