

SENTINEL X

Your Trusted Eye for Diamond Authenticity



AI Based Auto Detection Technology

DESCRIPTION :

Sentinel by **DRC** is a smart, portable diamond screening device that detects **CVD, HPHT, and AD moissanite** with over **99% accuracy in automatic detection**. Equipped with **AI-based analysis, UV fluorescence tech.** and a detachable mobile display, it delivers fast, reliable results for loose and mounted diamonds.

With a **4 inches by 5 inches scanning area**, dual viewing modes, 20x zoom, and PDF/CSV reporting, Sentinel is the ideal choice for jewelers, labs, and retailers looking for precision and portability in one device.

INCLUDED ACCESSORIES :

- Loose Diamond Tray (UP to 100 carat)
- Jewellery/Ring Tray (15 ring slot)
- Power Adaptor and cable
- Mobile Charger
- Sample Pendant
- Allen Key Set

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KEY FEATURES :

- **CVD / HPHT / CZ- Moissanite Detection**
Ai based automatically detection of **lab-grown diamonds** (CVD/HPHT) and positive ID of **CZ and moissanite** in all formats—**loose, rough, or mounted jewelry**.
- **Integrated Mobile App with Detachable Display**
Comes with a **built—in mobile screen** that can be detached for **flexible viewing angles and clear font visibility**.
- **Dual Viewing Modes**
Offers **two scanning views** for simplified identification. The entire process completes in approximately **45 seconds**.
- **Detection Range**
Detects diamonds from **0.003 carat** and above, supports all shapes, and identifies colour **grades D to K**, including treated or enhanced stones.
- **High Detection Accuracy**
Achieves over **99% accuracy** in automatic marking mode, rest can assure through **advanced Hexa-screening mode**.
- **20X Zoom & Position Pointer**
Advanced zoom with **20x magnification** and a **position pointer** in quad mode ensures precise screening.
- **Print & Download Options**
Generate and export test results in **PDF** via the mobile app, with print-ready options.

TECHNICAL SPECIFICATIONS :

- **Dimensions : 178 X 250 X 220 (In mm)**
- **Input Voltage Range : 110 - 230 V**
- **Operating Temperature : 5° to 35°C**
- **Weight : 6 KG (Machine only)**

WARRANTY :

- **Sentinel comes with a one-year warranty covering hardware, software, and updates—ensuring reliable performance and continuous support.**

