

Handheld Raman Spectrometer

NW1500

Uses Raman Spectroscopy Technology



NW1500 Handheld Raman Identifier uses Raman spectroscopy technology, combined with intelligent algorithms and a rich spectrum library, allows to quickly and non-destructively identify suspicious materials at sites, such as chemical weapons, toxins, explosives, drugs and precursors, etc. The NW1500 directly gives the name and detailed information of the suspicious materials, aiding operators in understanding their characteristics quickly. The NW1500 is applicable to customs supervision, drug control, emergency management, national defense, etc.

The NW1500 uses a 1064nm laser, which can effectively reduce fluorescence interference. Therefore, the detection results are more accurate than those of the previous generation, which use 785nm or 830nm lasers.

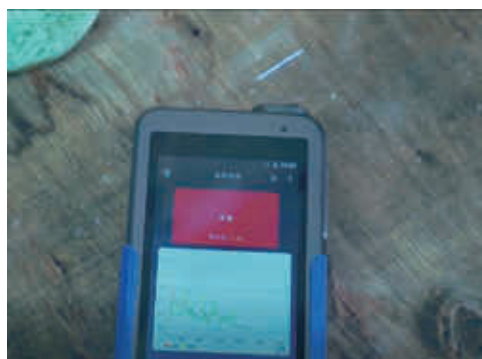
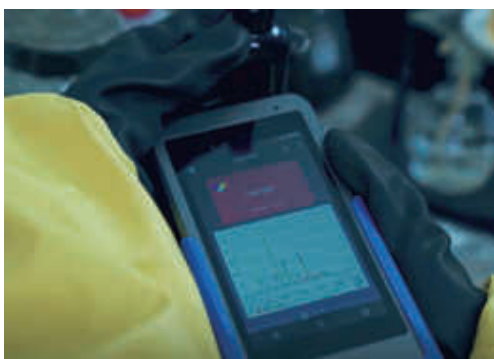
Characteristics

- ◆ Automatic calibration without manual operation and external accessories
- ◆ Able to detect small suspicious particles on-site by built-in microscope
- ◆ Assess the risk of ignition and stop the laser automatically
- ◆ Penetrate brown glass, some envelopes and plastic packaging
- ◆ Small and light, it can be carried and operated easily
- ◆ Total spectrum library is > 13,000 species, and the contraband spectrum library is > 3,000 species
- ◆ Support for multiple languages

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Library

- ✓ **Narcotics and precursors:** Heroin, Morphine, Methamphetamine, Ketamine, cocaine, MDMA, Fentanyl, Cannabinoid, Ephedrine, Safrole, etc.
- ✓ **Chemical weapon:** GB, GD, VX, HD, etc.
- ✓ **Flammable and toxic liquids:** Gasoline, Kerosene, Diesel, Methanol, Ethanol, nitromethane, Acetone, Benzene, Toluene, Acetonitrile, Tetrahydrofuran, Chloroform, etc.
- ✓ **Explosives:** Ammonium nitrate, Potassium nitrate, C4, Composition B, TNT, RDX, HMX, TNP, TATP, etc.
- ✓ **Other:** Starch, Sucrose, Vitamin C, Paracetamol, Analgin, Polyethylene, Polystyrene, etc.



1500 detects liquid and small particle (panel interface can be switched to multiple languages)

Technical Specification

Specification	Description
Laser	1064nm (allows scanning of fluorescent materials)
Size	176mm*87mm*33mm
Weight	730g (including battery)
Connectivity	USB / Wi-Fi / 4G / Bluetooth
Power	Rechargeable lithium battery, AC100-240V, 50-60Hz
Waterproof Rating	IP68
Data Format	SPC / TXT / JPEG / PDF