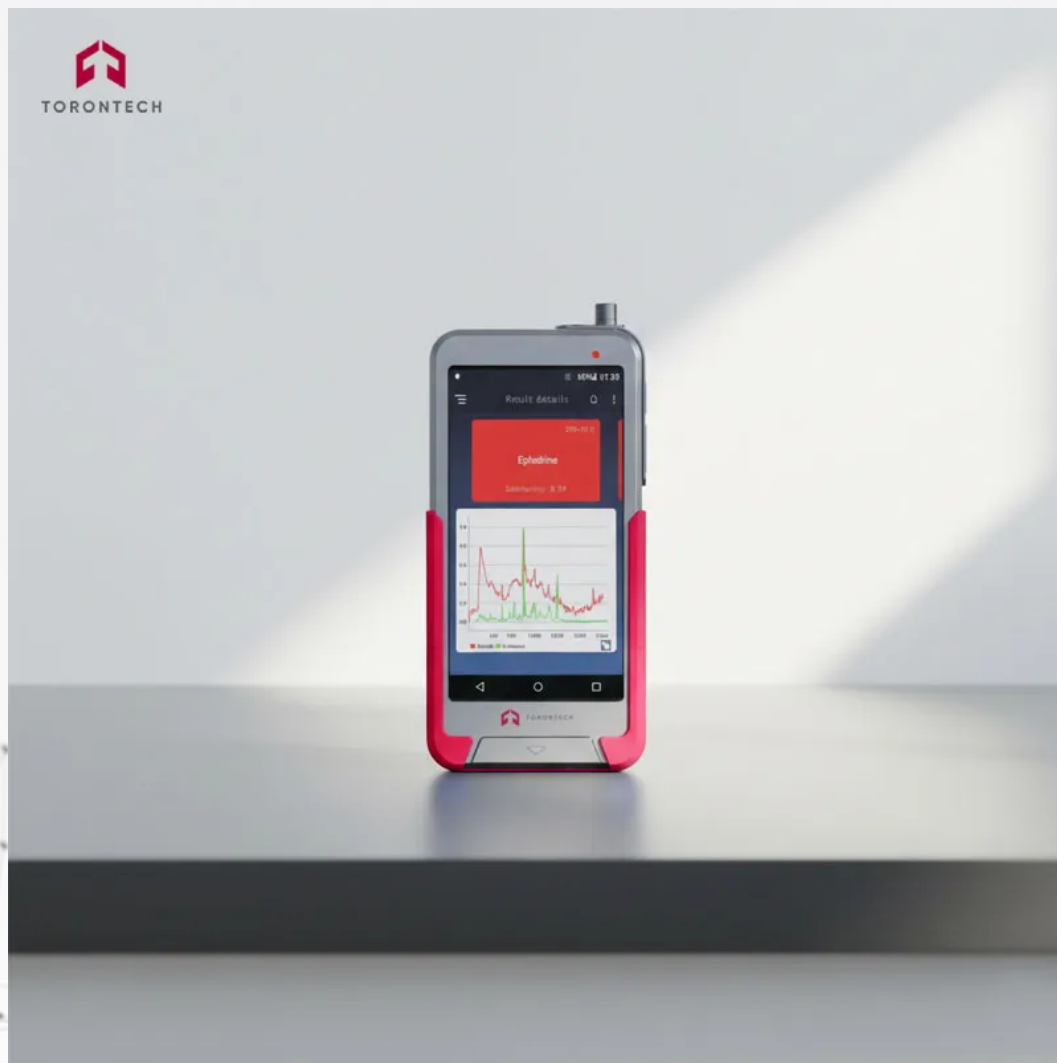


HANDHELD RAMAN SPECTROMETER- TORONRS™ -S1064



Handheld Advanced Security Field Spectrometer is a state-of-the-technology Handheld Raman Spectrometer engineered for rapid, non-destructive, and on-site identification of high-risk suspicious materials. Utilizing advanced Raman Spectroscopy Technology.

The Handheld Advanced Security Field Spectrometer incorporates a powerful 1064nm laser, which significantly reduces fluorescence interference and provides more accurate detection results compared to older 785nm or 830nm models.

This Handheld Raman Spectrometer integrates intelligent algorithms and an extensive spectrum library to instantly provide the name and detailed characteristics of the suspicious material. Small, light, and easy to operate, this Handheld Raman Spectrometer is a crucial tool for customs, security, and emergency management professionals.



APPLICATIONS

Applications

The Handheld Advanced Security Field Raman Spectrometer is essential for critical field applications where quick and accurate material identification is required:

- Security and Emergency Management: Applicable to drug control, emergency management, national defense, and customs supervision.
- Contraband and Hazardous Material Identification: Non-destructively identifies:
 - Drugs and Precursors: Heroin, Morphine, Methamphetamine, Fentanyl, Ketamine, and more.
 - Explosives: Ammonium nitrate, TNT, RDX, TATP, and others.
 - Chemical Weapons: Including GB, GD, VX, and HD.
 - Flammable and Toxic Liquids: Gasoline, Ethanol, Acetone, Chloroform, and others.
- General Material Screening: Used for identification of other materials like Starch, Sucrose, and various polymers.

FEATURES

Handheld Raman Spectrometer- ToronRS™ -S1064 (Advanced)

Features/Advantages

This Handheld Advanced Security Field Spectrometer is designed with advanced features for robust field performance:

- Superior Detection: Employs a 1064nm laser to effectively reduce fluorescence interference, providing more accurate detection results.
- Non-Destructive Scanning: Can penetrate brown glass, some envelopes, and plastic packaging for discreet detection.

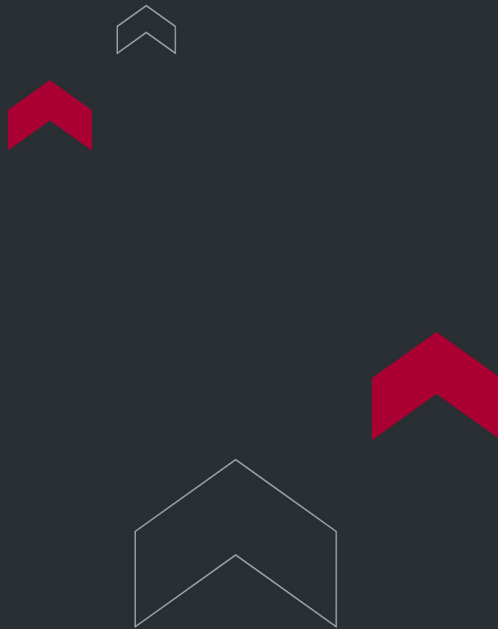
- Extensive Library: Features a large total spectrum library of > 13,000 species, with the contraband spectrum library containing > 3,000 species.
- Built-in Safety: Can assess the risk of ignition and automatically stop the laser to ensure operator safety.
- On-Site Analysis: Able to detect small suspicious particles on-site via a built-in microscope.
- Operational Ease: Supports automatic calibration without the need for manual operation or external accessories.
- Rugged and Connected: Features an IP68 waterproof rating and includes USB, Wi-Fi, 4G, and Bluetooth connectivity for data transfer.

TECHNICAL SPECIFICATIONS

Handheld Raman Spectrometer- ToronRS™ -S1064 (Advanced) Technical Specifications

Product Name	ToronRS™ -S1064
Laser Wavelength	1064 nm
Communication interface	Wi-Fi, 4G, Bluetooth, USB
Weight	730 g
Waterproof Rating	IP68
Total Spectrum Library	> 13.000 species
Contraband Library	> 3.000 species
Data Format	txt/JPEG/PDF/SPC
Voltage	Rechargeable lithium battery, AC100-240V, 50-60Hz
Touch Screen	5 inches

Dimension (without probe) (L x W x H)	176 x 87 x 33 mm
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