

TacticID®-1064

All-Inclusive Handheld Raman for Identification of Hazmat, Narcotics, Explosives & More



The TacticID®-1064 is a field-ready handheld spectral analysis instrument designed for non-contact forensic analysis by safety personnel and first responders, including law enforcement personnel, bomb squads, customs and border patrol, hazmat technicians, and more. The TacticID-1064 utilizes proven Raman spectroscopy, allowing users to get real-time actionable identification of unknown chemicals, narcotics, pharmaceutical drugs, explosives* and many other substances in less than a minute, significantly reducing operational uncertainty and response time. By utilizing the 1064nm excitation the TacticID-1064 minimizes fluorescence interferences, allowing users to work with even significantly cut street samples. This IP68-rated system features a high-brightness display with touchscreen and/or hardware button interface for ease of use even through protective gear.

Key Features

Customized Libraries:

Add user-created library items quickly & easily to stay one step ahead of emerging threats.

Nondestructive Analysis:

Increase user safety by scanning through plastics, bottles and other translucent packaging materials.

Critical Component Mixture ID:

Able to identify components and threat level within a mixed sample.

On-board Camera:

Take photos at the scene and record any sample info using the onboard camera; photos and notes are included in the test report.

Connectivity:

Manage data, send results, write data, update software/libraries and more directly to USB drive or through USB or secured wireless Bluetooth or Wi-Fi connection.

Safety Info on Screen:

GHS and NFPA704 safety information displays in addition to red, yellow and green result screens provide immediate reference safety information.

Touch Screen Quick Notes:

Add custom notes to a scan result anytime, anywhere with the touch screen interface.

TacticOne Response®:

24/7/365 emergency support and spectral analysis.



Specifications

Excitation Wavelength	1064 nm
Laser Output Power	420 +/- 30 mW at 100%, adjustable in 1% increments
Spectral Range	176-2500 cm ⁻¹
Display	High brightness & high resolution touch screen
Software	TOS-1064 (Embedded), & TID EX (PC)
Data Formats	.txt, .csv, .spc
Libraries	Narcotics, pharmaceutical drugs, cutting agents, explosives*, precursors, toxic & common chemicals (third party libraries supported). Optional: CWAs*
Languages	English, Spanish, Chinese (traditional and simplified), Japanese, French, and more
Connectivity	Bluetooth, Wi-Fi & MicroUSB
Battery	Rechargeable Li-ion, >4 hrs continuous operation; supports CR123 disposable batteries
Weight	~ 3.4 lbs (1.545 kg)
Size	9.8 x 4.3 x 2.4 in (250 x 110 x 60 mm)
Operating Temperature	-10°C to +50°C
Protection	IP68 and MIL810g drop test compliant

**Note: Libraries may be subject to US Export control to some territories.*

Operation:

Easy, touch screen operation or optionally navigate via hardware buttons. Directly write reports to USB or synchronize results to secure database wirelessly or via USB. Detailed reports with results, measurement details, user notes and photos.

Sampling Accessories

Included standard with the TacticID-1064 are the point-and-shoot adaptor, liquid vial holder, bottle adaptor, polystyrene validation cap for system testing, and a right angle adaptor for hands-free measurement. Increased sampling versatility is available to measure samples without removing from the original container with the optional contact immersion probe.

