B&W TEK
A Metrohm Group Company

TacticID

TacticID®-1064 ST

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

The TacticID®-1064 ST is a 1064nm handheld Raman analyzer for rapid field identification of explosives, narcotics and other suspicious materials. Samples can be nondestructively analyzed through opaque and transparent packaging, with sample threat level displayed prominently for first responders, safety personnel, law enforcement, bomb squads, customs and border patrol, and hazmat teams to act quickly with minimal sample contact. The TacticID-1064 ST utilizes proven Raman spectroscopy, in combination with patented STRaman® technology, allowing users to get real-time actionable identification of unknown chemicals, narcotics, pharmaceutical drugs, explosives* and many other substances even through opaque barriers, significantly reducing operational uncertainty and response time. The TacticID-1064 ST with 1064nm laser excitation and the see-through adapter scans a large sample area, producing a fluorescence-free spectrum with no sample burning, allowing users to identify dark and colored materials, tough street samples, inhomogeneous mixtures and materials directly through packaging.

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, envelopes and other translucent and opaque packaging materials.

Critical Component Mixture ID:
Able to identify components and threat level within a mixed sample.

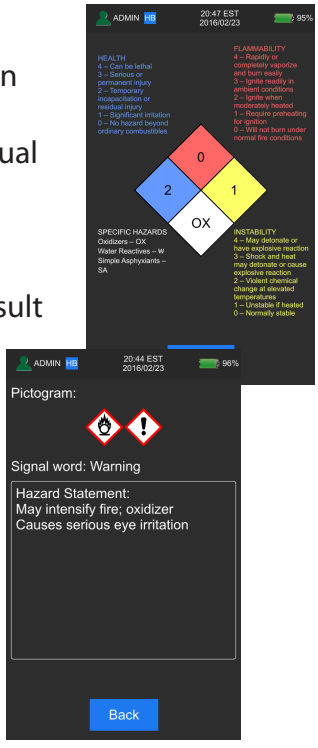
On-board Camera:
Take photos at the scene and record any sample info using the onboard camera; photos and notes are included in the test report.

Connectivity:
Manage data, send results, update software/ libraries and more 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 visual safety information.

Touch Screen Quick Notes:
Add custom notes to a scan result anytime, anywhere with the touch screen interface.

See-through Capabilities:
Scan through opaque packaging such as paper, colored plastic, and other materials that light can pass through to identify the material inside.



*optional, subject to export license approval

Specifications

Excitation Wavelength	1064 nm
Laser Output Power	450 +/- 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	Over 13000 library items including Narcotics, pharmceutical 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: This item 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 ST are the point-and-shoot adaptor, liquid vial holder, bottle adapter, polystyrene validation cap for system testing, a right angle adaptor for hands-free measurement, and a see-through adaptor for measurement through different packaging. Increased sampling versatility is available to measure samples without removing from the original container with the optional large bottle adaptor and contact immersion probe.

Point & Shoot

Vial Holder

Polystyrene Validation

Right Angle Adaptor

See-through Adaptor

Bottle Adaptor

Contact Immersion Probe (optional)

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