

TacticID®-GP Plus

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



The TacticID-GP Plus is a field-ready handheld Raman instrument designed for rapid, nondestructive chemical identification to reduce operational uncertainty and response time. Featuring an intuitive workflow and touchscreen, samples can be nondestructively analyzed through opaque and transparent packaging, with sample threat level displayed prominently for first responders, safety personnel, bomb squads, customs and border protection, and hazmat teams to act quickly with minimal sample contact. The TacticID-GP Plus utilizes proven Raman spectroscopy, allowing users to get real-time actionable identification of samples with threat level and GHS and NFPA704 safety information clearly displayed.

The TacticID-GP Plus includes a comprehensive library of over 10,000 substances. In addition, users have flexibility to create their own libraries for normal measurement and for customized SERS measurement.

For full flexibility, TacticID-BAS Plus without pre-installed libraries is also available.

Key Features

Customized Libraries for Normal and SERS Measurement:

Import, create and customize on-board libraries to stay one step ahead of emerging threats.

Critical Component Mixture ID:

Identify components and the threat level within a mixed sample.

Indirect Contact Analysis:

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

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.

USB, Bluetooth, Wi-Fi Connectivity:

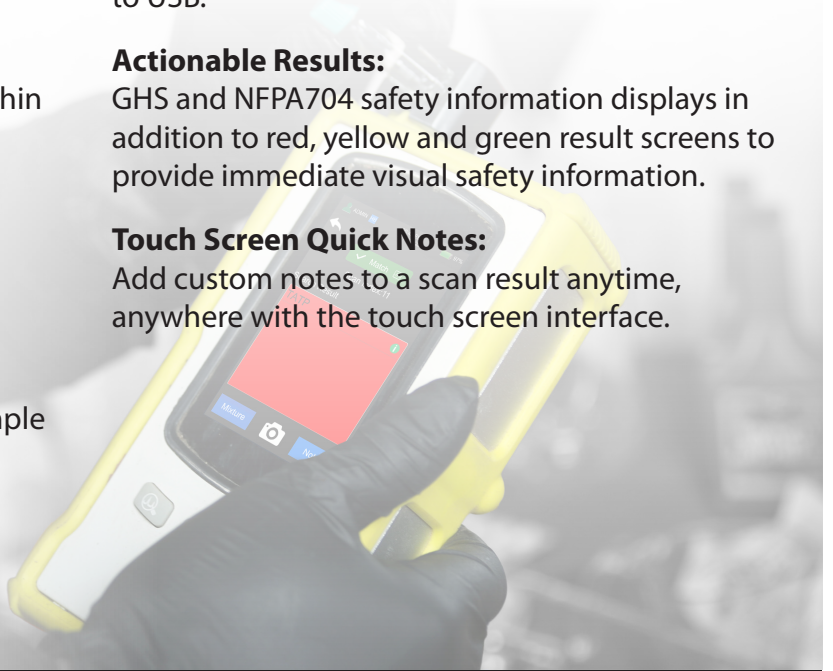
Manage data, send results, and update software/libraries easily and securely. Write reports directly to USB.

Actionable Results:

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

Touch Screen Quick Notes:

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



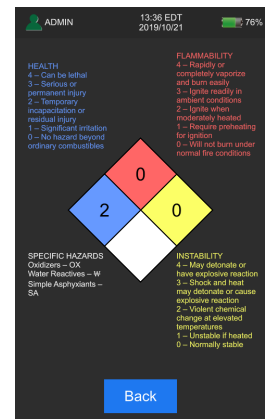
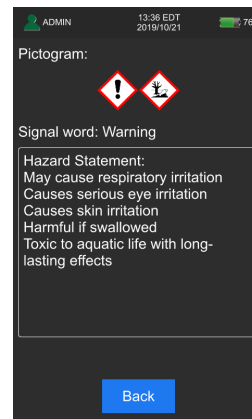
Specifications

Excitation Wavelength	785 nm
Laser Output Power	300 +/- 30 mW at 100%, adjustable in 1% increments
Spectral Range	176 cm ⁻¹ to 2900 cm ⁻¹
Display	High brightness & high resolution touch screen
Software	TOS Plus (embedded), TID Plus (PC)
Data Formats	.txt, .csv, .spc, .pdf
Libraries	Narcotics, Explosives*, Pharmaceutical Drugs, Cutting Agents, Precursors, Toxic & Common Chemicals, and More
Languages	English, Chinese (Traditional and Simplified), Spanish, French, Japanese, Korean, German, Turkish, Polish
Connectivity	USB, Bluetooth, Wi-Fi, Direct Export to USB drive
Battery	Rechargeable Li-ion, >10 hrs continuous operation or CR123 battery option
AC Adapter	DC 18 V, 1.65 A
Weight	~ 2.2 lbs (~1.0 kg)
Size	7.5 in x 3.9 in x 2.0 in (19 cm x 10 cm x 5 cm)
Operating Temperature	-20°C to +50°C
Storage Temperature	-30°C to +60°C
Protection	IP65

*Note: This item may be subject to Export control to some territories.

TacPac™ Adaptor

The optional TacPac adaptor allows for simple and accurate identification of heroin, fentanyl, synthetics and low concentration samples using Surface Enhanced Raman Spectroscopy (SERS). System includes SERS library of numerous opioids and low dose narcotic substances, and capability for users to create SERS libraries.



Sampling Accessories

A variety of easily-interchangeable sampling accessories optimized for different sample types are included. Included are the point-and-shoot adaptor, liquid vial holder and right angle adaptor for hands-free testing. The optional TacPac™ adaptor is used for low dose sample measurement. A polystyrene validation cap is used for quick system check.



Point & Shoot



Vial Holder



Polystyrene Validation



Right Angle Adaptor



TacPac Adaptor (optional)