

TacticID®-GP

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



The TacticID®-GP is a field-ready handheld spectral analysis instrument designed for non-contact forensic analysis by a variety of safety personnel and first responders, including law enforcement personnel, customs and border patrol, hazmat technicians, and more. The TacticID-GP utilizes proven Raman spectroscopy, allowing users to get real-time actionable identification of unknown chemicals, narcotics, pharmaceutical drugs and many other substances while reducing operational uncertainty and response time. Raman provides reliable results non-destructively by direct measurement of samples with no need for further sample preparation.

Key Features

Customized Libraries:

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

Advanced Mixture Analysis:

Highly detailed mixture analysis capabilities utilizing chemometric algorithms delivering up to 10 results per scan.

Indirect Contact Analysis:

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

Wi-Fi Connectivity:

Manage data, send results, update software/libraries & more through secured wireless connection.

Touch Screen Quick Notes:

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

Remote Tablet Operation:

Optional tablet computer accessory with GPS and camera for remote operation via Wi-Fi.

Color-Coded Result Screens:

Red, Orange and Green result screens provide immediate visual safety information.



Specifications

Excitation Wavelength	785 nm
Laser Output Power	300 mW Max, Adjustable in 10% Increments
Spectral Range	176 cm ⁻¹ to 2900 cm ⁻¹
Spectral Resolution	~ 9 cm ⁻¹ @ 912 nm
Detector Type	Linear CCD Array
Display	High Brightness & High Resolution Touch Screen
Software	TacticID OS (Embedded), & TacticID Software (PC)
Data Formats	.txt, .csv, .spc, .pdf
Libraries	Narcotics, Pharmaceutical Drugs, Cutting agents, Precursors, Toxic and Common Chemicals, and More
Connectivity	Ethernet, Wi-Fi, & USB Compatible
Battery	Rechargeable Li-ion, >5 hrs Continuous Operation or Surefire 123 option
AC Adapter	DC 18 V, 1.67 A
Weight	~ 2 lbs (0.9 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
Languages	English, Spanish, Chinese, Japanese, Arabic, Korean, Polish, Russian

TacPac™ Adaptor

The optional TacPac adaptor allows for simple and accurate identification of street heroin and other traditionally difficult Raman samples. The adaptor uses Surface Enhanced Raman Spectroscopy (SERS), which is a state-of-the-art identification technique that provides global law enforcement users with a new tool in the fight against challenging samples including fentanyl, heroin, synthetics and other low dose samples.



Sampling Accessories

The TacticID-GP includes multiple accessories: point-and-shoot, right angle, vial holder and polystyrene validation cap, and an optional TacPac adaptor. The point-and-shoot adaptor is versatile for many situations and vial holder is ideal for liquid samples. The right angle adaptor is ideal for quick throughput sampling without moving samples, and for remote operation. Also included is a polystyrene validation cap for validation testing.



Point & Shoot



Vial Holder



Polystyrene Validation



Right Angle Adaptor



TacPac Adaptor

