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TacticID®-N Plus

Handheld Raman Analyzer for Narcotic and Pharmaceutical Drug Identification



The TacticID®-N Plus is a field-ready handheld instrument specifically designed for non-contact forensic analysis of narcotics, pharmaceutical drugs, cutting agents and precursors by law enforcement personnel. Featuring an intuitive workflow and touchscreen, samples can be nondestructively analyzed through opaque and transparent packaging, with sample threat level displayed prominently for law enforcement, customs and border protection to act quickly with minimal sample contact. The TacticID-N Plus utilizes laboratory-proven Raman spectroscopy, which allows users to obtain actionable identification of illicit substances without ever compromising the integrity of the sample or the chain of evidence.

The TacticID-N Plus comes standard with a comprehensive library of over 1,000 substances. Additionally, users have access to periodic library updates in order to continuously maintain up-to-date identification capabilities and stay ahead of emerging narcotics.

Key Features

Critical Component Mixture ID:

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

Narcotics Library:

The industry's largest on-board library of narcotics and pharmaceutical drugs.

Indirect Contact Analysis:

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

USB, Bluetooth, Wi-Fi Connectivity:

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

Touch Screen Quick Notes:

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

Actionable Results:

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

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.



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, Pharmaceutical Drugs, Cutting Agents, and Precursors
Languages	English, Chinese (Traditional and Simplified), Spanish, French, Japanese, Korean, German, Turkish, Polish
Connectivity	USB, Bluetooth, Wi-Fi, Export Report 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

TacPac™ Adaptor

The included TacPac adaptor allows for simple and accurate identification of heroin, fentanyl, synthetics and other traditionally difficult Raman samples using Surface Enhanced Raman Spectroscopy (SERS). System includes SERS library of numerous opioids and low dose narcotic substances.



Sampling Accessories

In addition to the TacPac adaptor, the included point-and-shoot adaptor and liquid vial holder are versatile for many situations and sample types. The optional right angle adaptor is ideal for quick throughput sampling without disturbing the substance. A polystyrene validation cap is also included for a quick system check.



Point & Shoot



Vial Holder



Polystyrene Validation



Right Angle Adaptor
(optional)



TacPac Adaptor

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