

The **TacticID<sup>®</sup> Mobile** is an economical, ergonomic 1064 nm handheld Raman spectrometer with targeted libraries for rapid, non-destructive identification of narcotics, hazardous chemicals and suspicious materials. Designed for easy field operation by safety personnel, samples can be rapidly scanned directly through transparent containers, with identification results clearly displayed on the large, high resolution touch screen. The TacticID Mobile uses Raman spectroscopy to measure the molecular fingerprint of a sample that is identified with the embedded spectral library of over 1,200 narcotics, precursors, toxic and common chemical, pharmaceutical drugs and explosives. With point-of-need identification, first responders get actionable sample identification in less than a minute, accompanied with safety information (GHS and NFPA704), allowing for rapid response with greater certainty. With the TacticID Mobile 1064 nm excitation laser users can identify tough street samples, colored samples, and impure samples with minimal fluorescence interference. The system can be operated with the touchscreen and hard button interface for use even wearing protective gear. Additional information can be added with each scan including pictures, location tagging, notes, and other identifying information, giving a comprehensive report with all pertinent information in one document.

## Fluorescence free Testing |

1064nm light allows identifications of real-world samples including colored and dark materials.

## Outstanding Performance |

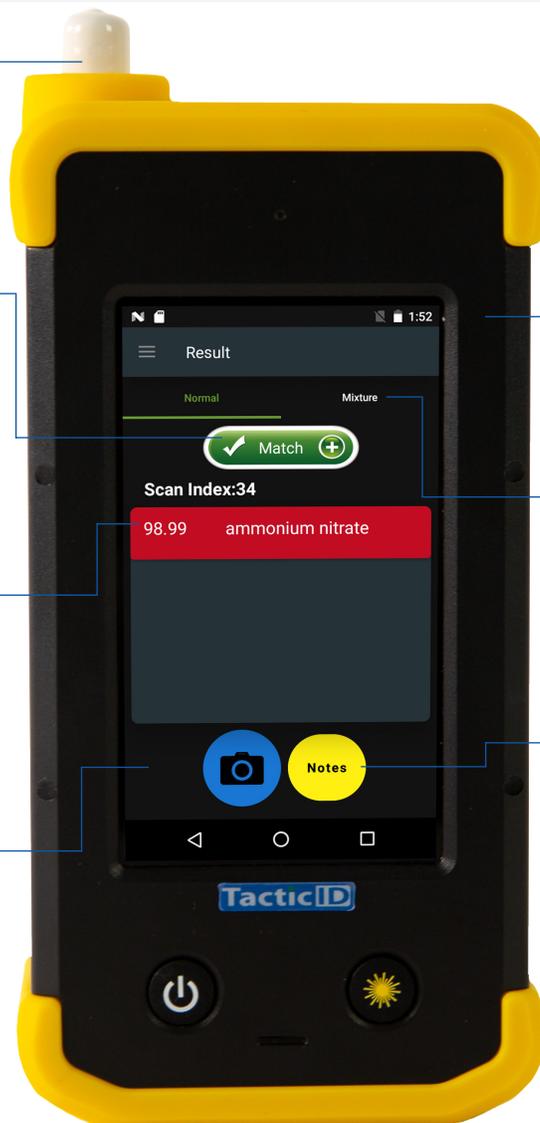
Typical unknown material identification time between 10 to 40 seconds, fast start-up, and extremely long stand-by time of over 150 hours. Minimum maintenance required.

## Actionable Data |

With each color-coded identification result, GHS and NFPA704 safety information is displayed so appropriate action can be taken.

## Customized Libraries |

Add customized libraries and create your own libraries quickly & easily to stay one step ahead of emerging threats.



## | Connectivity

Manage data, send reports, update software and libraries directly through USB drive or connecting to secure PC based TID21 database via wired USB or wireless Wi-Fi.

## | Critical Component Mixture Analysis

Identify the components and threat level within a mixed sample.

## | Traceability

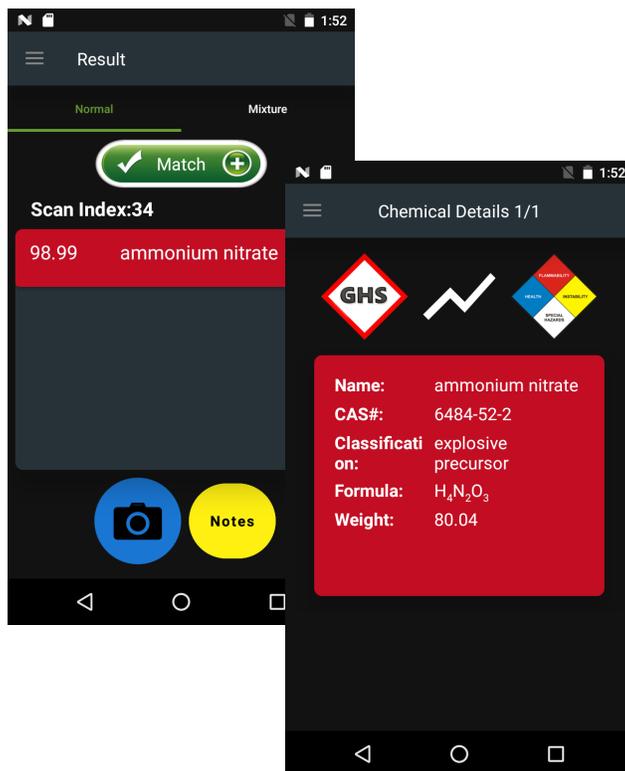
Different user levels for controlled access to functions. 13MP camera with flashlight, GPS, and user-definable fields so relevant traceable sample information can be entered.

## Specifications

<b>Wavelength and Power</b>	1064nm, 220 mW Typical*
<b>Spectral Range</b>	176-2500 $\text{cm}^{-1}$
<b>Display</b>	5" High brightness & high resolution touch screen
<b>Software</b>	TOS-XM (Embedded) & TID21 PC Data management software
<b>Data Formats</b>	csv, spc data and pdf reports available
<b>Libraries</b>	Narcotics, pharmaceutical drugs, cutting agents, explosives**, precursors, toxic & common chemicals, more than 1,000 items as default; 3rd party library that contains more than 12000 items available; CWA Library** available; Complete fentanyl library available; Custom library available upon request.
<b>Languages</b>	English fully supported. Multilanguage packages available upon request.
<b>Connectivity</b>	Manage data, send reports, update software and libraries directly through USB drive or connecting to secure PC based TID21 database via wired USB or secured wireless Wi-Fi.
<b>Battery</b>	Rechargeable Li-ion, > 7 hours normal operation, supports car charger and external power bank, > 150 hour standby time.
<b>Weight</b>	1.5 kg
<b>Size</b>	8.4 x 4.3 x 2.2 in (212 x 107 x 55 mm)
<b>Operating Temperature</b>	-20°C to 50°C
<b>Protection</b>	IP68, MIL-STD-810H Transit drop test certified and vibration test certified.

## Easy, intuitive operation

TacticID Mobile Android-based OS on a 5" touchscreen makes touch operation easy. It is also navigable for work in protective gear. Add custom notes to each scan result, or use definable fields to enter traceable sample information that is included in reports and can be searched and sorted in the TID21 database.



\*Contact factory for custom configurations \*\*Note: Libraries may be subject to US Export control to some territories.

## Flexible sampling with accessories optimized for different samples and scenarios

The point and shoot adaptor can be used to measure powders and other solids directly or through plastic bags. Liquids can be measured in a vial with the vial holder, in a bottle with the bottle adaptor, or with the optional immersion probe. The right angle adaptor allows for hands-free testing of samples directly or in clear packaging. A polystyrene validation cap is included to verify instrument performance. Optional large spot adaptor for heterogeneous samples, and for lower power to minimize sample heating.



\*Optional adaptors not included in the standard package