

Thermo Scientific FirstDefender RMX

Down Range Chemical and Explosives Identification

Responder and community safety are critical when analyzing potentially hazardous materials. The Thermo Scientific FirstDefender RMX instrument can be used as a handheld instrument or integrated onto a tactical robot, providing military and civilian first responders more flexibility and increased safety.



Key Benefits:

- **Fast, accurate identification.** Based on Raman spectroscopy, quickly identifies unknown solid and liquid chemicals down range.
- **Built for field use.** MIL-STD-810G and IP67 tested and certified.
- **Flexible use modes.** Handheld use or easily connected to select tactical robots using optional integration kit.
- **Improved automatic mixture analysis.** Sophisticated algorithms automatically determine presence of mixed and contaminated chemicals.
- **Point-and-shoot™ sampling.** Operates directly through sealed glass or plastic containers, avoiding exposure to potentially harmful substances

Thermo Scientific TruNarc

Handheld Narcotics Identification System

Identification of suspected narcotics is a critical challenge for law enforcement agencies. With the Thermo Scientific TruNarc analyzer, narcotics officers, customs, border patrol, and other law enforcement personnel can scan a sample for multiple narcotics in one single test.



Key Benefits:

- **Fast, accurate identification** — Returns results in seconds. Based on lab- proven Raman spectroscopy.
- **Easy to use** — Intuitive menu-driven interface enables fast training and proficiency.
- **Single test, multiple narcotics** — Conduct a single analysis to determine if a narcotic is present, saving time and money.
- **Non-contact sampling** — Scan directly through plastic or glass to minimize contamination, reduce exposure and preserve evidence.
- **Automated, tamper-proof records** — Captures all scan results including time and date stamp and self check results to help expedite prosecution.

Thermo Scientific TruDefender FTX and TruDefender FTXi

Handheld FTIR for Explosives Identification

Identification is a critical challenge in the evaluation and mitigation of potential explosives threats. With Thermo Scientific TruDefender analyzers, law enforcement, military and civilian explosives experts can obtain reliable identification of military-grade explosives as well as HMEs, IEDs and precursors in seconds.



Key Benefits:

- **Fast, accurate identification.** Returns results in seconds, even for complex mixtures.
- **Embedded mobile phone technology.** Send results via e-mail or SMS text directly from the hotzone with the TruDefender FTXi model.
- **Easy to use.** Intuitive, menu-driven interface for fast training and proficiency.
- **Improved sampling.** Large sampling surface and fully rotational anvil for easy sample placement.
- **Built for field use.** Smallest, lightest military-rugged FTIR spectrometer on the market. Certified to MIL-STD 810G for ruggedness.
- **Easy to clean.** Contoured edges and self-contained anvil mechanism ensure easy decontamination.
- **Worry-free maintenance.** Requires no scheduled maintenance, calibration, warm up or mirror alignment.

For more information about the products visit at www.thermoscientific.com

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