APEX^{R7} RAMAN

Chemical Identification Spectrometer

Micro Design. Macro Capability.

The Apex^{R7} from DetectaChem redefines what field-ready identification looks like. Developed in collaboration with the U.S. Department of Defense, the Apex^{R7} expands the capability limits for non-contact drug, explosive and hazardous material identification.

Key features:

- Multi-tech miniaturized Raman spectrometer
- Analysis and results in less than 20 seconds
- Library of more than 24,000 substances
- User-added library with extended data input options
- 24/7/365 reachback service for spectrum analysis
- Ultra compact size and weight
- Smart device enabled for analysis and report generation
- Low power usage with >12hr battery life
- Option to combine MobileDetect TRACE DETECTION with Apex^{R7} CHEMICAL IDENTIFICATION in one toolkit
- Paired results with MobileDetect colorimetric field tests
- Unique Cross-Peak Correlation Identification algorithm
- No calibration by user needed

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DETECTACHEM

Compact Identification

The days of bulky, cumbersome, complicated Raman analysis are over. Apex^{R7} fits in the palm of your hand, identifies threat targets in seconds and does everything at an affordable price point compared to other systems. Are you ready to modernize your threat assessment toolkit?

❶ Simple to Use

The Apex^{R7} device is rapidly deployable and easy to use. Run a test in under 20 seconds. Quick, accurate, easy to understand results. Minimal training required.

❷ Vast Material Library

Our advanced algorithms allow for accurate identification of more than 24,000 different materials. Library index collected with U.S. DoD, CDC and other world governing entities.

Specifications

Technology	Raman Spectroscopy, 785nm
Substances Detected	Drugs, Narcotics, Explosives, HMEs, TIC, TIM, CWA, Precursor Chemicals, Cutting Agents, Pharmaceuticals, Household Chemicals, Plastics and more
Library Size	More than 24,000 substances
Size	3.7in x 2.2in x 1.6in (9.4cm x 5.6cm x 4cm)
Weight	8.5oz (241g)
Power Supply	Internal 3.7 volt lithium polymer battery pack. DC wall adapter with charge cord.
Data Export	PDF, CSV or text. Export via WiFi, cellphone data or SD card
Connectivity	Bluetooth wireless or hardwired tether; both Android and Apple devices
Languages	English. Other languages optional.
Environment	MIL STD 810H and IP67