

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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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?

1 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.

2 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 Spectral range: 300-2200cm ⁻¹ Resolution: <14cm ⁻¹
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	4.3in x 2.5in x 1.6in (10.9cm x 6.4cm 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



SEEKER PRO

Advanced Explosive and Drug Detection

The New Standard in Handheld, Trace Explosive and Drug Detection

The SEEKER Pro is the next evolution in field-ready, handheld, threat detection technology from industry-leader DetectaChem. Successor to the widely-deployed and trusted SEEKERe, the SEEKER Pro has been designed and engineered in collaboration with the U.S. Dept. of Defense to be the top of its class in accurate, user-friendly threat detection. With innovative technology, faster results, more complex analysis, and more features, SEEKER Pro is the go-to solution for the modern warfighter and first responders.



Features:

- New Spectrum Matrix Analysis technology
- Trace, residue and bulk sampling of drugs, narcotics, explosives and precursors
- Single test detects multiple threats at once
- Ultra-simple operation with no downtime or calibration
- Ruggedized for the most extreme situations
- Robust and customizable report creation
- Compatible with Apex^{R7} Raman Spectrometer

**DETECTACHEM**

Easy, Accurate Detection



Vast Library of Explosive and Drug Tests

The SEEKER Pro utilizes disposable test cards to detect trace, residue and bulk amounts of explosives or drugs. Screen for every major group of explosive, as well as all the common narcotics, synthetics and plant materials.

Advanced LCD Touch Screen Display

All-new on the SEEKER Pro, increased efficiency and navigation with smart, touch screen capability. Easily tap through testing options, result interpretation and data management with this next generation detector.

Ruggedized, MIL-STD 810H Protection

Like its predecessor, the SEEKER Pro is built to conquer any and all environments. From frigid winters to the most scorching of heats, this is one device that can take a beating.

Specs

Technology	Spectrum Matrix Analysis
Detection Type	Explosives, drugs and precursors
Sample Type	Trace, residue and bulk sampling.
Explosives Detected	Nitroaromatics, Nitramines, Nitrate Esters, HMEs, Inorganic Nitrates, Peroxides, Chlorates/Perchlorates, combinations and derivatives
Drugs Detected	Fentanyl, Heroin, Methamphetamine, Cocaine, Synthetics, THC, CBD, DMT, PCP, LSD, Mushrooms, GHB, Suboxone, Ketamine, Nitazenes, Benzos, other opiates, combinations and derivatives
Screen	LCD touch screen display
Battery	Internal rechargeable lithium ion, 12+ hours depending on settings
Storage Capability	Store over 100,000 test results on device
Data Transfer Method	USB stick, USB cable to computer
Startup Time	Less than 30 seconds from a cold start
Languages	All languages available
Other	On-device report building, password protected menus, compatible with Apex [®] Raman
Weight	0.9 lb (0.4 kg)
Size	5.7in x 3.5in x 2.1in (14.5cm x 8.9cm x 5.3cm, LxWxD)
Environmental	Ruggedized MIL-STD 810H, Water Resistant IP66



Scan below for
more info!



DETECTACHEM