

EN 5000

EXPLOSIVES AND NARCOTICS TRACE DETECTION

Overview

The Scintrex EN5000® delivers exceptionally sensitive trace detection of both narcotics and explosives. It detects and identifies explosives and narcotics within a multi-compound sample more accurately than single technology systems. The unique, patented GC/IMS (gas chromatography/ion mobility spectrometry) dual technology process allows for noninvasive searches of luggage, mail, vehicles, documents and containers.

Features

- **Selectivity:** GC/IMS dual technology platform detects and identifies traces of specific explosives or narcotics within a multi-compound sample more accurately than single technology systems.
- **Sensitivity:** Superior design and intelligent analytical software yield exceptional trace detection performance.
- **Low false alarm levels:** GC/IMS dual technology ensures the lowest false alarm levels. Increased user confidence that alarms are real and actionable.
- **Explosives detection:** PETN, RDX, TNT, NG, Dynamite, Semtex, C4
- **Narcotics detection:** Cocaine, opiates, cannabis, and amphetamine-type stimulants.
- **Operation:** Easy to operate. Use the sampling tab to survey the target surface for traces of explosives. System processes and analyzes the samples immediately and displays the results on its touch screen, making detection an easy process that takes just seconds.
- **Integration:** Sophisticated operating system has built-in networking and communication capability. The device can easily interface with other screening systems to create a comprehensive security solution.
- **Ease of use:** Simple one-step operating process makes it easy to use with minimal training – perfect for high turnover areas.
- **High throughput:** Offers continuous action and complete analysis within seconds – ideal for high volume environments, such as airports and border crossings.
- **Low maintenance:** Completely self-contained, self-cleaning, self-calibrating, and requires no external gas supply.
- **Low Operation Costs:** Extremely cost effective, has low cost of daily operations and very low cost of consumables.
- **Convenient footprint:** Fits into small area checkpoints.
- **Licensing not required:** Negligible radiation levels.



IDEAL USES

- Airports, Customs & Border Crossings
- Military Installations
- Seaports and Container Ships
- Nuclear Facilities
- Passenger Ships
- Railway, Bus and Subway Terminals
- Government Buildings
- Embassies or Consulates
- Corrections
- Courts of Law
- Postal Stations
- Corporate or VIP Headquarters
- Underground Parking
- Special Events - Worldwide!



1.800.987.9098

sales@highcomsecurity.com

www.highcomsecurity.com

2451 McMullen Booth Rd, Ste 242
Clearwater, FL USA 33759



EN 5000 CONT'D

EXPLOSIVES AND NARCOTICS TRACE DETECTION

Technical Specifications

- Explosives Detection Capability: PETN, RDX, TNT, NG, Dynamite, Semtex, C4
- Narcotics Detection Capability: Cocaine, Opiates (heroin & morphine), Cannabis (marijuana & hashish), Amphetamine-type stimulants (amphetamine, ecstasy & methamphetamine).
- Technology: Gas chromatography/Ion mobility spectrometer
- Sensitivity: Nanograms to picograms
- Analysis Time: Variable, 6 - 20 seconds
- Features: Manual sampling / Analytical unit / On-board computer, printer and touch screen display
- Modes of Operation: Continuous / Single cycle
- Detection Indicators: Touch screen displays both alarm and compound identification information / Red flashing light on unit and audible alarm / Automatic "Print on Alarm" option
- Sampling Accessory: Trace collection device
- Options: Un-interruptible power supply (UPS) battery, back-up / Nitrogen generator / Auto-preconcentrator
- Data Storage & Communications: Network connection, hard drive, diskette, printer, RS232
- Power Consumption: < 500 W
- Voltage: 90 to 265 VAC 50/60 Hz
- Warm-up Time: 20 minutes maximum from a cold start
- Weight: Unit weight < 55.2 lbs (25 kg)
- Warranty: 1 year

Also Available

E3500®

Portable explosives trace detector using Luminol Chemiluminescence (Chemilumina). Offers extremely fast and stable detection with very high selectivity for explosives and immunity to humidity or contamination problems.



EVD® 3000+

Hand-held device capable of detecting the presence of plastic and high vapor-pressure explosives, including taggants. Flexible and easy to operate, offering both vapor and particulate sampling without the use of a radioactive source or external carrier gas.



EVD® 2500

Detects a full range of explosive vapors, including ICAO taggants; easiest and most robust vapor detector on the market. Flexible and easy to operate, offering vapor sampling without the use of a radioactive source or external carrier gas.



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