



E5000 GC-IMS

Advanced Explosives and Narcotics Trace Desktop

From the leading and most experienced producer of advanced explosives and contraband detectors worldwide, including the widely deployed Chemilux, GC-IMS and EVD detection lines:

The E5000 Desktop delivers fast, accurate and reliable results in critical detection scenarios while offering ease of use, low maintenance and reasonable cost of ownership.

Scintrex's advanced GC/IMS (gas chromatograph/ion mobility spectrometry) dual technology, backed by decades of detection expertise, delivers:

Features and Benefits

- ✓ **Sensitivity:** E5000's GC/IMS dual detection identifies specific explosives or narcotics traces far more accurately and sensitively than single detection devices.
- ✓ **Selectivity:** GC-IMS' better selectivity and advanced software yield exceptional trace detection performance.
- ✓ **False alarm levels:** GC/IMS' dual technology is more substance specific, delivering lower false alarm levels and better hit rates.
- ✓ **Explosives:** detects military grade explosives, Semtex, C4, RDX and TNT and most homemade explosives such as TATP.
- ✓ **Narcotics:** available option detects cocaine, opiates, cannabis, and amphetamine-type stimulants.
- ✓ **Easy to use:** sampling is easy and takes just seconds using the durable sampling tab. Processes and analyzes immediately, clearly displaying results on a larger touch screen in seconds. Needs minimal training – perfect for high people-traffic areas.
- ✓ **Comprehensive:** built-in networking and communication capabilities. Easily interfaces with other screening systems to form a comprehensive security solution.
- ✓ **High throughput:** yields continuous operation, with analysis in seconds – ideal for high throughput environments, such as airports and border crossings.
- ✓ **Low maintenance:** completely self-contained, self-cleaning, self-calibrating, and requires no gas supply.
- ✓ **Cost of operation:** cost effective, due to its low consumables and daily operating costs.
- ➔ **Safer:** uses far less isotopes than single detection IMS desktops.

70 years leading innovation in checkpoint detection & support

The E5000 is ideal for:

- Airports
- Border Crossings
- Federal Buildings
- Military Installations
- Seaports and container ships
- Nuclear Facilities
- Embassies or Consulates
- Courts of Law
- Postal Stations
- Corporate or VIP Headquarters
- Banks
- Correctional Facilities
- Underground parking areas
- Police
- Special Events, Leases, Rentals

...Worldwide

FEATURES & BENEFITS OF THE E5000

DUAL TECHNOLOGY	The combination of GC and IMS significantly improves performance (high detection accuracy, high detection rate and low false alarm rate) compared to single detection IMS devices.
LICENSING NOT REQUIRED	Negligible radiation levels, far less than basic IMS.
HIGHEST DETECTION RATE WITH LOWEST FALSE ALARM RATE	Increases user confidence that alarms are real and actionable.
SIMPLE SAMPLING & OPERATION	Easy to use by non-technical operators, minimized training and increased throughput.
LOW OPERATION COST	Low consumable costs. Low maintenance requirements and easy access to components to minimize downtime.

SPECIFICATIONS

DETECTION CAPABILITY	Explosives: PETN, RDX, TNT, NG, Dynamite, Semtex, C4 Narcotics: Cocaine, Opiates (heroin & morphine), Cannabis (marijuana & hashish), Amphetamine-type stimulants (amphetamine, ecstasy & methamphetamine)
TECHNOLOGY	Gas chromatograph / Ion mobility spectrometer
SENSITIVITY	Nanograms to picograms
ANALYSIS TIME	Variable: 6 - 20 seconds
FEATURES	Simple sampling process On-board printer and large touch screen display Simple operation Very low loss of consumables
MODES OF OPERATION	Explosives Narcotics
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	Narcotics Detection Nitrogen Generator for ICAO Taggants Auto-preconcentrator CE Marking Uninterruptible power supply (UPS)
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 < 25 kg



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