

Tracer 1000 Desktop Explosive Analyser



WESTMINSTER
GROUP PLC

Product Code: 2040-07

Key Features



Mass Spectrometry Technology



ECAC & TSA Certified



Near Zero False Alarm Rate



10-15 Second Analysis Time



Fully Automated Internal Calibration



LCD Touch Screen User Friendly Interface



Overview

The Tracer 1000 sets a new standard for security screening. ECAC & TSA certified, it harnesses the power of advanced Mass Spectrometry — the world's gold standard for chemical detection — to deliver ultra-high accuracy with near-zero false alarms.

Designed for today's demands, the Tracer 1000 requires no bake-out time, uses fewer consumables, and keeps operating costs low. Its continually updatable threat library ensures instant identification of thousands of explosives, narcotics, CWAs, and more.

Available as Explosive only, Narcotic only or Explosive and Narcotics. (Certification and approval will be on explosive function only)

Fast. Reliable. Innovative. The Tracer 1000 is the smarter choice for airport and high-security environments worldwide.

Features

- The First ECAC certified Mass Spectrometer Explosive Trace Detector
- Low total cost of ownership as fewer consumables annually
- 100% uptime – No Bake Out Required
- Near Zero False Alarm Rate
- Simple to train and operate

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Specifications

- **Applications:**
Explosives only, Explosives/Narcotics, Narcotics only *Certified/Approved configurations will be explosives only
- **Detector:**
Linear Ion Trap Mass Spectrometer
- **Sampling:**
Trace-level particulate swab sampling
- **Analysis Time:**
~10 seconds typical
- **Library Capacity:**
Future proofed – readily expandable library to detect new threats
- **Ionization:**
Non-radioactive Mass Spec ionization
- **Swabs:**
Multi-use Teflon®-coated fiberglass swabs
- **Calibration:**
Fully automated internal calibration
- **Alarm Method:**
Visual Threat ID & Audio
- **Connectivity:**
Ethernet, (2) USB 2.0 ports
- **Weight:**
27.2 kg (60 lbs)
- **Display:**
25.6 cm (10.10 LCD touch-screen-user friendly interface)
- **Dimensions:**
36 cm W x 45 cm D x 53 cm H
(14.3" W x 18.1" D x 21" H)
- **Operating Temperature:**
0 to 40°C (0-104°F)
- **Operating Humidity:**
≤95% (non-condensing)
- **Storage Capacity:**
128 GB
- **Printer:**
Built-in printer
- **Power:**
110 VAC / 230 VAC, 50 Hz / 60 Hz
- **Warm-Up Time:**
20 min – 30 min
continuous power-on preferred)
- **Alarm Clear-Down Time:**
10s typical
- **Regulatory:**
UL, CE, RoHS, FCC Class A
- **Safety:**
No radioactive components
- **Explosive Detection:**
Military, Commercial-grade, HMEs, IEDs, RDX, TNT, PETN, ETN, NG, AN, UN, HMTD, TATP, EGDN, Tetryl, Picric acid, smokeless powders, HMX, etc.
- **Narcotics Detection:**
Illegal and controlled narcotics including Fentanyl, Cocaine, Heroin, Xylazine, Spice/K2, Ketamine, opioids, etc.