EVD3500 Hand Held Explosive Detector

The EVD3500 is a flexible and easy to operate, dual mode, portable hand held explosives detector, capable of both vapour and particulate sampling, which does not use a radioactive source. This dual capability enables users to select the most suitable method of sampling for the explosives of interest; EVD3500 starts processing samples immediately and gives results in just seconds.

The EVD3500 explosives trace detects homemade, military and commercial explosives, including ICAO taggants, plastics, ammonium nitrate, black powder, other nitrates and TATP.

Vapours are sampled directly by vacuum into the sampling nozzle. Particulates are sampled by swiping a suspected object with cotton gloves and then transferring the traces to a screen which is inserted into the sampling port.

Built to withstand rough handling and tough environments, the EVD3500 packs potent detection capability into a lightweight, durable thermoplastic housing. The handheld EVD3500 analyses both particulate and vapour samples in seconds, without the need for radioactive isotopes or carrier gases.

All identifying results are indicated on the LCD and by a volume-adjustable audio or LED alarm, making detection a simple one-step process.

EVD3500 can detect even minute traces (low nanogram level) of C-4, TNT, Dynamite, PETN, Semtex, EGDN, DMNB, RDX, ANFO, Black powder, Ammonium Nitrate, Urea Nitrate, Nitroglycerine and TATP with low false alarm levels and few interferents.
STANDARD FEATURES

- 12 V AC battery, external battery, printer
- Battery powered for portability
- Comes in a fully equipped, rugged carrying case
- Delivers laboratory-grade accuracy
- Detects traces of both particulates and vapours
- Detecting the presence of plastic and high vapour pressure explosives, including taggants
- Detects nitrogen- and peroxide-based explosives
- External Datalogger w 8Gb flash card
- Light-weight less than 3.0 kg
- Non-invasively searching luggage, mail, clothing, electronic articles, cars, trucks, documents and containers
- Portable explosives trace detector with comprehensive explosives detection capabilities
- Quick operation
- Rapid, accurate and easy to read results in seconds
- Ready to use without warm-up (after daily 1-minute start)
- Rugged
- Self-contained
- Simple push-button

APPLICATIONS

- Critical Infrastructure
- Customs and Borders
- Embassies and Consulates
- High Security Events
- Royal and Diplomatic Protection
- VIP Screening

SPECIFICATION

- Alarm audio indicator and LED indicator lights
- Analysis time 16 seconds
- Communication RS-232 serial output port
- Data Storage of 1,000 retrievable data records
- Detection Principle: Chemilux, disposable cartridge, no radioactive source
- Explosives Detected: PETN, RDX, TNT, dynamite, Semtex, C-4, black powder, ammonium and urea nitrates, NG, ICAO taggants, EGDN and DMNB, TATP, peroxides, chlorates
- Input Voltage 90-264 VAC, 50-60Hz universal switching
- Operating temperature: 0°C to +55°C
- Power supply: 12-volt DC rechargeable 4 hour battery pack
- Sampling Methodology: Vapour and particle sampling
- Sensitivity Nanogram
- Shipping Weight 15.3kg
- Storage temperature: -5°C to +65°C
- Unit Dimensions 50x14x11cm
- Unit Weight: 3 Kg
- Warm-up time: None (after daily 1 minute start)