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## EVD3500 Hand Held Explosives 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 or any consumables.

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.

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.

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

### Features

The EVD3500 is the world's first and most recognised portable explosives trace detector with comprehensive explosives detection capabilities.

The EVD3500 is the only hand-held device capable of detecting the presence of plastic and high vapour pressure explosives, including taggants.

Portable, quick operation, with clear results, it will detect traces of both particulates and vapours, non-invasively searching luggage, mail, clothing, electronic articles, cars, trucks, documents and containers.

### Portable

The EVD3500 is self-contained, rugged, and lightweight less than 3.0 kg, and comes in a fully equipped, rugged carrying case.

### Easy to use

Ready to use without warm-up (after daily 1-minute start), simple push-button automatic sampling with go/no go readouts displayed on an easy-to-read LCD. It is ideal for use by non technical personnel.

### Better value

Less costly to budget and operate, no internal consumables, and no calibrations, radiation licenses or certificates to worry about.



WI Code: 10042/2

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The Association of  
Police and Public  
Security Suppliers



The Defence  
Manufacturers  
Association



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# EVD3500 Hand Held Explosives Detector

## Proven

The EVD3500 is capable of detecting plastic and high-vapour-pressure explosives giving clear results you can trust.

## Sensitive and Selective

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, Nitro-glycerine and TATP with low false alarm levels and few interferents.

## Specifications

- ▶ Detection Principle: Luminol Chemilux, disposable cartridge, no radioactive source;
- ▶ Sampling Methodology: Vapour and particle sampling;
- ▶ Sensitivity & detectable compounds: Most military and commercially available explosives (low nanogram level) of C-4, TNT, Dynamite, PETN, Semtex, EGDN, DMNB, RDX, ANFO, Black powder, Ammonium Nitrate, Urea Nitrate, Nitro-glycerine and TATP;
- ▶ Controls: Power switch, keypad, Automatic Vapour/Particle selector, audio control and Sample switch;
- ▶ Warm-up time: None (after daily 1 minute start);
- ▶ Typical sample analysis time: Sample: 5-20 Seconds;
- ▶ Operational status indicators: LED indicator lights, (LCD) display with graphic display; status messages, standby battery voltage, battery, ready, sample mode, measuring detector voltage;
- ▶ Alarm audio indicator: Volume-adjustable alarm with earphones;
- ▶ Data storage & communications: 1,000 retrievable records, RS-232 serial output for remote control and monitoring;
- ▶ Power supply: 12-volt DC rechargeable battery pack, External battery pack, 12-volt AC adapter;
- ▶ Radioactive source: Not used;
- ▶ Operating temperature: 0°C to +55°C;
- ▶ Storage temperature: 0°C to +65°C;
- ▶ Construction material: ABS, shielded.

## Weights & Dimensions

- ▶ Weight: 3 Kg;
- ▶ Dimensions: Length 51cm x Width 14cm x Height 11cm;
- ▶ Shipping weight: 14 kg;
- ▶ Shipping dimensions: Length 54cm x Width 26cm x Height 39cm.

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