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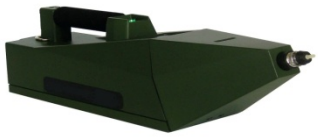
WG EVD3000+ Hand Held Explosive Detector



The EVD3000+ is a flexible and easy to operate portable hand held explosives detector, capable of both vapour and particulate sampling, which does not use a radioactive source or any consumables.

Detects trace amounts plastic and high vapour-pressure explosives, including C-4, PETN, Semtex, RDX and nitroglycerine, the system can analyse either trace or vapour samples delivering clear results in less than 10 seconds with the push of a button.

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; the EVD3000+ starts processing samples immediately and gives results in seconds. All results are indicated on the LCD and by a volume-adjustable audio alarm, making detection a simple one-step process.

STANDARD FEATURES

- Ready to operate in only 60 seconds and provides a response in 10 seconds
- Portable, quick operation, with clear results
- It will detect traces of both participates and vapours, non-invasively searching luggage, mail, clothing, electronic articles, cars, trucks, documents and containers
- Self-contained, rugged, and lightweight, comes in a fully equipped, rugged carrying case
- Ready to use within a minute of power-up, simple push-button automatic sampling with go/no go readouts displayed on an easy-to-read LCD.
- Less costly to budget and operate, no internal consumables, and no calibrations, radiation licenses certificates required
- Can detect even minute traces of C-4, TNT, Dynamite, PETN, Semtex, RDX, and Nitroglycerine, including ICAO taggants and tagged plastic explosives

APPLICATION

- Airports
- Border crossings
- Commercial premises
- Corporate or VIP Headquarters
- Correctional institutions, Prisons
- Courts of law
- Embassies or Consulates
- Field or Forensic use
- Government buildings
- Military defense
- Nuclear facilities
- Police & bomb squads
- Postal offices / stations
- Railway, Bus, Subway terminals
- Seaports and Containerships

SPECIFICATION

- Detector Thermo-Redox detector no radioactive source
- Sampling Methodology: Vapour and particle sampling
- Sensitivity Particulates: nanogram Vapours: low parts per billion
- Sensitivity & detectable compounds: Most military and commercially available explosives such as C4, TNT, Dynamite, PETN, Semtex, RDX, Black Powder, NG and all ICAO taggants
- Warm-up time none after 1 minute start
- Typical sample analysis time: Sample: less than 10 Seconds
- Alarms LED indicator lights, audible alarm
- RS-232 for remote control monitoring
- Power supply: 12-volt DC rechargeable battery
- 90-264 v, 50-60 Hz universal switching
- Data Storage: 1000 retrievable data records
- Operating temperature: 0°C to +55°C
- Storage temperature: -5°C to +65°C
- Unit Weight 2.8kg with battery
- Dimensions: Length 50cm x Width 14cm x Height 11cm
- Shipping weight: 15 kg
- Shipping dimensions: Length 74cm x Width 30cm x Height 45cm
- Options: 12 volt AC adapter