

Explosives Detector E3500

The E3500 is the world's first and most recognized portable explosives trace detector that uses Luminol Chemiluminescence (Chemilumina). The E-3500 is the only portable device capable of detecting the presence of all threat explosives, including ICAO taggants, military plastics and TATP.

Unlike other detectors, it does not use any external carrier gas or radioactive source.

If portability, quick detection and clear, accurate results are crucial, then this is the explosives detector needed.

The E-3500 offers extremely fast and stable detection with very high selectivity for explosives and immunity to humidity or contamination problems.

The E-3500 detects traces of particulates and vapours, allowing for non-invasive searches of luggage, mail, vehicles, documents and containers.

The E-3500 is flexible and easy to operate, offering both vapour and particulate sampling without the use of an external carrier gas or radioactive source. Vapours are sampled directly via the sampling nozzle.

Particulates are sampled by swiping a suspected object with a cotton glove or other means and transferring any traces to the unit.

This dual capability enables users to select the most suitable method of sampling for the explosives of interest.

The E-3500 is ready for operation within thirty seconds from turn on, and starts processing samples immediately, giving results in just seconds.

All results are indicated on the LCD graphical and numerical display.

The E-3500 has proven to be capable of detecting plastic and high vapor pressure explosives rapidly-giving clear results you can trust. Luminol Chemiluminescence is an ASTM-EPA standard method for atmospheric monitoring of nitrogen dioxide. It can detect minute traces (low nanogram level) of C-4, TNT, Dynamite, PETN, Semtex, EGDN, DMNB, RDX, ANFO, Ammonium Nitrate, Urea Nitrate, Nitroglycerine and TATP, with low false alarm levels and few interferences. It is immune to variations in humidity and environmental conditions.

The E3500 is self-contained, lightweight, less than 3 kg (6.6 lbs), and comes in a fully equipped, rugged carrying case ready to use when and where needed. When necessary, any minimal cleaning takes only a few seconds.

The simple push of a button automatically activates the sampling and analysis mode. Results are displayed on an easy-to-read LCD making the E3500 ideal for all non-technical personnel.

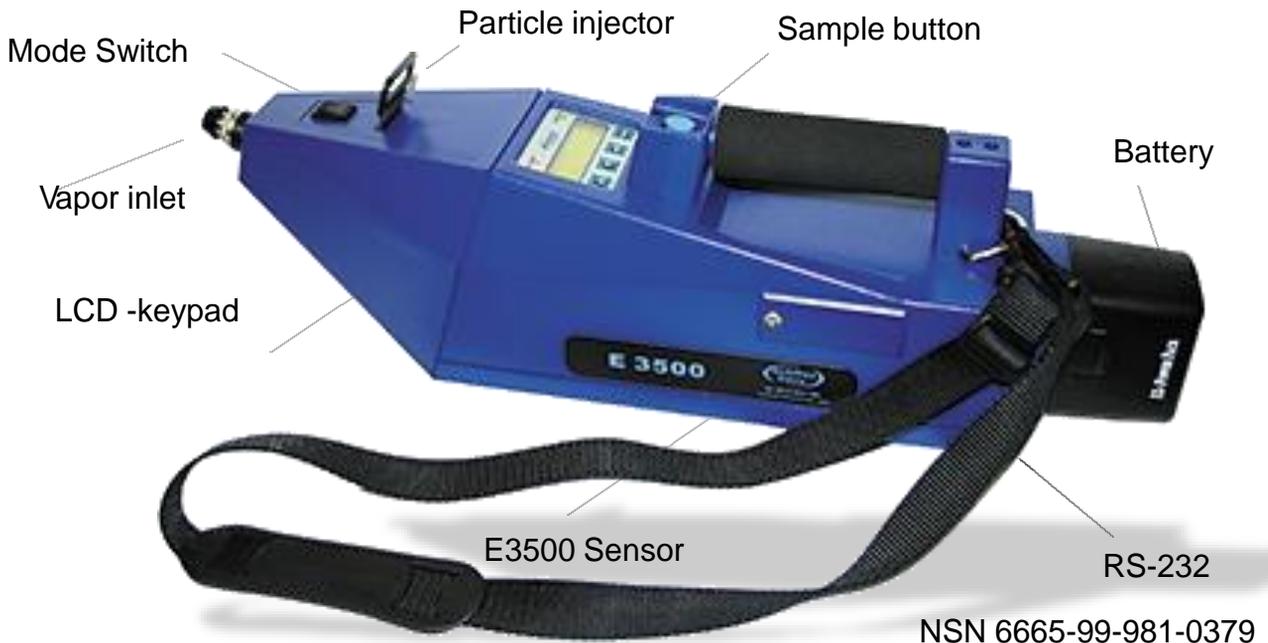
ICAO taggants and tagged plastic explosives.

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Explosive Detector E35DD



Detection Principle: Luminol Chemiluminescence Disposable cartridge

Radioactivity: No radioactive source and no licensing or radioactive calibration applicable.

Detectable Compounds: Military (including plastic), commercial and homemade explosives, C-4, TNT, NG, Dynamite, Black Powder, PETN, Semtex, RDX, ANFO, ICAO Taggants, (DMNB, EGDN, o-MNT, p-MNT), Ammonium and Urea nitrates, TATP and peroxides, others.

Sampling Capabilities: Vapors and particulates - Dual mode

Typical Sample: 5-30 seconds (user selectable based on application)

Analysis Time Sample: Within 15 seconds

Initial Warm-Up Time: 30 seconds

Carrier Gas: None required (ambient air)

Controls: Power switch, keypad, automatic vapor/particulate selector and volume control (with optional earphone)

Data Storage & 1000 retrievable data records RS-232 serial output port for

Data storage & Communications: 1000 retrievable data records via PC - RS-232 serial output port for remote control and monitoring.

Power Supply: 12 volt DC rechargeable battery pack, external battery pack, 12 volt AC adapter

Operating Temperatures: 0°C to +55°C (+32°F to +131°F)

Storage Temperatures: 0°C to +65°C (+32°F to +149°F)

Shipping Weight: 12 kg (26 lbs.) in steel-reinforced, foam-padded, protective carrying case

Shipping Dimensions: 57x26x39 cm / 22x10x14" (LxWxH)