



XPAK G2 Specifications

- **Detection Principle** - Fluorimetric Detection
- **Explosives Detected** - TNT, DNT, RDX, PETN, HMX, Semtex, Tetryl, C4, PE -4, COMP B, Deta sheet, Prima sheet, Det cord, Prima cord, Picric Acid, TNB, DNB, Nitroglycerin, Ammonium Nitrate, Urea Nitrate, TATP

Inquire with RedX about additional detection capabilities.

- **Sampling Capabilities** - Trace Particulates
- **Sampling Applications** People, vehicles, packages, bags, surfaces
- **Time to Sample/Analyze** - Detection in less than 15 sec.*
- **Calibration** - None required
- **Warm-up Time** - None required
- **Consumables** - Detection ink, detection paper
- **Power Source** - Rechargeable Li-ion battery (charger included)
- **Operating Temp. Range** 32°F to 120°F (0°C to 49°C) (*may vary*)
- **Dimensions** - 18" x 12.5" x 4.25" (Height x Width x Depth)

*Some detections may take longer, please contact RedX for information or a demonstration.

XPAK® Applications

Routine entrance screening - Quickly sample people at entrances to bases, embassies, buildings, power plants, airports, stadiums, events, and facilities

Spot screening - Randomly screen people and/or their belongings when routine entrance screening is impractical or unnecessary.

Vehicle screening - Screen vehicles at checkpoints or delivery entrances

Screening large numbers of hand-carried items - Screen luggage, briefcases, bags, and other hand-carried items at airports, bus terminals, and other arrival and departure points.

Screening mailed and shipped items - Screen letters, packages, and shipping crates arriving at embassies, mailrooms, government facilities, or large shipping facilities.

Threat-based screening - On-site screening of people, vehicles, unattended packages, or mailed/shipped items in response to a threat.

Information gathering - Gather information about bomb-making activities.

XPAK-i G2 Specifications

i-MODULE:

- **Barcode format** - Code 39 with 13 characters including checksum
- **USB Cable** - USB-A Connector (PC) to Mini-B Connector with 5 pins (i-MODULE)
- **GPS Accuracy** -
Type 1 (Satellite) 15 meters x HDOP (95%)
Type 2 (Differential) 3 meters x HDOP (95%)
- **Stored Record Capacity** - hundreds of records
- **Battery life** - 8 hours



DPL-EVD3500 HAND-HELD EXPLOSIVES DETECTOR

Introducing the DPL-EVD3500 Hand-held Explosives Detector. Ready to operate in only 5-30 seconds. The DPL-EVD3500 is the world's first and most recognized portable explosives trace detector that uses Luminal Chemiluminescence's (Chemilumina). The DPL-EVD3500 is the only portable device capable of detecting the presence of all threat explosives, including ICAO tangents, military plastics and TATP.

DPL-EVD3500 HAND-HELD EXPLOSIVES DETECTOR

DETECTION PRINCIPLE Luminal Chemiluminescence's - Disposable cartridge

NO RADIOACTIVITY No radioactive source, and no licensing or radioactive calibration applicable.

DETECTABLE COMPOUNDS Most military (including plastic) and commercially available explosives, C4, TNT, Nitroglycerin, Dynamite, PETM, Semtex, RDX, HMX, ANFO, ICAO Tangents, (DMNB, EGDN, o-MNT, p-MNT), Urea nitrate, and TATP

SAMPLING CAPABILITIES Vapors and particulates - Dual Mode

TYPICAL SAMPLE/ANALYSIS TIME Sample: 5-30 seconds (user selectable based on application)
Analysis: within 15 seconds

INITIAL WARM-UP TIME 30 seconds

CARRIER GAS None required (ambient air)

CONTROLS Power switch

BATTERY LIFE: 3Hrs. Per Charge

Keypad

Automatic Vapor/Particulate selector
Volume control (with optional earphone)

OPERATIONAL STATUS INDICATORS LED indicator lights

4 x 20 Liquid Crystal Display (LCD)

DATA STORAGE + COMMUNICATIONS 1000 retrievable data records
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 + STORAGE TEMPERATURES Operating: 0°C to +55C (+32F to +131F)
Storage: 0 C to +65C (+32F to +149F)

WEIGHT + DIMENSIONS Unit weight: 3 kg (6.6 lbs.) in ABS engineered plastic shielded case

Unit Dimensions (LxWxH): 51x14x11 cm / 20x5.5x4.3"

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

Warranty

One year return to manufacturer

FACT SHEET: DPL-EVD3500 HAND-HELD EXPLOSIVES DETECTOR

The DPL-EVD3500 looks for solvent based as well nitro based explosives (90% of explosives are nitrogen oxide based NO₂). The new "Designer bombs" frequently are solvent based i.e., acetone, peroxide etc. **The DPL-EVD3500** catches them all. The technology for the "detection principle" is Chemiluminescence's historically the most proven detection method but only used in labs in machines that cost \$400K and are huge and do not go in the field. They are considered scientific testing and analytical equipment. We have the only patent on this tech in field hand-held units--- This is incredible! It's the best solution available in a portable device by a HUGE margin! The competition can NOT come close to it. It is more selective and sensitive than the EVD and ALL other handhelds.

There are far fewer "false positives" from inaccurate detection of non explosives (false alarms). It has very advanced software that makes it very easy to operate. It is quite robust and field worthy. Lasts a lot longer in the field prior to maintenance. Cleans and clears itself after contamination by a rich explosive.

The main thing is there is no other device (handheld) that can detect near the variety of explosives the **DPL-EVD3500** can.

It also does not use any external carrier gas or radioactive source (unlike others). If portability, quick detection and clear, accurate results are crucial, then this is the explosives detector needed. The **DPL-EVD3500** offers extremely fast and stable detection with very high selectivity for explosives and immunity to humidity or contamination problems. The **DPL-EVD3500** detects traces of particulates and vapors, allowing for noninvasive searches of luggage, mail, vehicles, documents and containers.

Operating the DPL-EVD3500 :

The **DPL-EVD3500** is flexible and easy to operate, offering both vapor and particulate sampling without the use of an external carrier gas or radioactive source. Vapors 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 **DPL-EVD3500** starts processing samples immediately and gives results in just seconds. All results are indicated on the LCD graphical and numerical display.

* **Fast and Proven:** The **DPL-EVD3500** has proven to be capable of detecting plastic and high vapor pressure explosives rapidly-giving clear results you can trust. Luminal Chemiluminescence's is an ASTM EPA standard method for atmospheric monitoring of nitrogen dioxide.

* **Sensitive and Selective:** The **DPL-EVD3500** can detect minute traces (low anagram 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 interferon's. Immune to variations in humidity and environmental conditions.

* **Portable:** The **DPL-EVD3500** 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.

* **No Radioactive Isotopes or Radioactivity**

* **Easy to Use:** The **DPL-EVD3500** is ready for operation within thirty seconds from turn on. 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 **DPL-EVD3500** ideal for all non-technical personnel. ICAO tangents and tagged plastic explosives.

Portable Advanced Explosives Detector

- * Police & Bomb Squads
- * Airports
- * Border Crossings
- * Military Defense
- * Seaports and Containerships
- * Field or Forensic Use

The DPL-EVD3500 is ideal for:

- * Nuclear Facilities
- * Embassies or Consulates
- * Courts of Law
- * Postal Stations
- * Corporate or VIP Headquarters
- * Commercial
- * Correctional
- * Federal buildings
- * Railway, Bus and Subway Terminals
- * Special Events, Leases, Rentals