



Comes field-ready, in a protective case with two batteries, charger, trace samples and accessories, strap, ten cartridges, sampling screens, gloves, manual, and tools.



E3500 Chemilux® Advanced Explosives Trace Particulate & Vapour Handheld

From the leading, most seasoned producer of advanced explosives and contraband detectors worldwide, including the widely deployed Chemilux®, GC-IMS, GC-Chemilux® and EVD detection lines. Designed with the non-technical operator in mind, they use simple sampling, one-step analysis and clear displays.

The E3500 is the world's first explosives trace handheld based on Luminol Chemilux® (chemiluminescence). It detects military, commercial, even **homemade** explosives, liquid and powdered, including TATP and peroxides, plastics, nitrates, and black powder.

Our unique Chemilux® design and parameters yields high selectivity to explosives, and high immunity to weather and environmental interference. For a Chemilux® vapour model which identifies the explosive, select the E3100. For an affordable, vapour-only model, select the E3200.

For non-invasively detecting explosive vapours and particulates in luggage, mail, vehicles, trucks, clothing, electronic articles, backpacks, documents and containers by:

**Military • Law Enforcement • Bomb Squads
Customs • Government Facilities • Checkpoints
Hotels • Palaces • Embassies • Power Plants
Events • Courts • Rail • Airports • Seaports •
Access Control • Forensics • Mail**

Features and Benefits

- ✓ **Advanced, Flexible, Dual Mode:** the world's most advanced, versatile and specific vapour and particulate handheld. Suspect particulates are easily "swiped" inside and vapours sampled in front.
 - with clear green and red LED's. Automatically adjusts itself to your environment.
- ✓ **No radioactivity or isotopes, period. No** isotopes, radiation or calibrations, safety risks, carrier gas, certificates or licenses to deal with. **None.**
- ✓ **Easier upkeep:** fewer consumables. Self calibrating. Sample screens are completely reuseable. Our training and support are worldwide and highly regarded.
- ✓ **For hostile environments:** especially resistant to contamination or effects from exhaust, humidity, rain, sand, wind, aerosols or pollutants.
- ✓ **Advanced:** increased memory and networking capability with laptops and PDA handhelds.
- ✓ **Far more sensitive, selective, proven:** reliably detects plastic, even minute, low nanogram traces such as C-4, black powder, PETN, Semtex, RDX, TNT, Ammonium and Urea Nitrates, Dynamite, NG, ICAO taggants, EGDN & DMNB, TATP, and peroxides, with few interferences, minimizing false alarms and confirming hits.
- ✓ **Lightest & most portable, rugged:** self-contained, hardened for extreme conditions, yet lightest (less than 2.7 kg - 5.9 lbs). Greater battery life (6 hours). Fully equipped in field-ready carrying case pictured above.
- ✓ **Easy to use:** simple one-push operation. Displays definitive results in seconds on a bright LCD screen,

70 years leading innovation in checkpoint detection & support

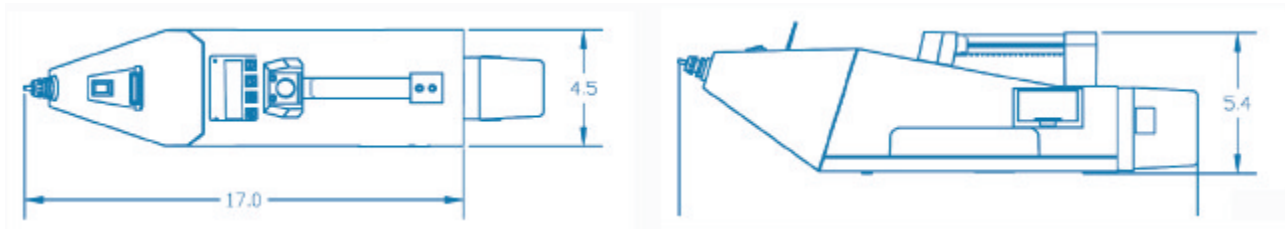
Our widest range, most field-friendly handheld, the E3500 is ideal for:

- Military Defense
- Police
- Airports
- Customs & Borders
- Seaports and Ships
- Bomb Squads
- Embassies or Consulates
- Courts & Correctional
- Postal Stations
- Corporate or VIP Bases
- Government Facilities
- Railway, Bus and Subway Terminals
- Special Events, Leases, Rentals
- Nuclear Facilities
- Hotels & Banks
- Field or Forensic Use
- Checkpoints

...Worldwide

SPECIFICATIONS

DETECTION TECHNOLOGY	Luminol Chemilux® – Disposable cartridge
NO RADIOACTIVITY	No radioactive or gas source, no licensing, no isotopes.
DETECTABLE COMPOUNDS	Military (including plastic), commercial and homemade explosives: C4, 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.
SAMPLE COLLECTION	Vapours and particulates - Dual Mode, confirming hits
TYPICAL ANALYSIS TIME	Within 14 seconds
WARM-UP TIME	None (after daily one minute start)
CARRIER GAS	None required (ambient air)
CONTROLS	Power switch Keypad Vapour/Particulate mode switch Volume control (with optional earphone) Sample switch
OPTIONS	1. Remote unattended operation 2. Remote control 3. Continuous operation mode 4. WiFi data transfer
ALARM, AUDIO & VISUAL	LED indicator lights Large LCD display for status messages Audible alarm (with optional earphone)
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 6-hour battery pack Spare battery pack 12 volt AC adapter 90-264 VAC, 47-63 Hz universal (auto sensing) switching
OPERATING + STORAGE TEMPERATURES	Operating: 0°C to +55°C (+32°F to +131°F) Storage: 0°C to +65°C (+32°F to +149°F)
WEIGHT + DIMENSIONS	Unit weight: Less than 2.7 kg (5.9 lbs.) engineered in thermoplastic shielded case Unit dimensions (LxWxH): 51x14x11 cm / 20x5.5x4.3" Shipping weight: 14 kg (31 lbs.) Case shipping dimensions (LxWxH): 52x26x39 cm / 22x10x14"
WARRANTY CERTIFICATES	One year; other warranties available ISO, FCC, CE, and other world recognized certificates



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rev. 01-140208

P.I. - C.F e RI.RA: 02404840395 - Cap.Soc. Euro 60.000,00 di cui Euro 48.750,00 i.v - R.E.A: RA 198813