



miniEXPLONIX Pro

Handheld Explosives Trace Detector

**Rapid and reliable detection
of explosives traces**

General overview

Technology	: Infra Red Sampled Selective Luminescence (IRSSIL) with instant readout
Sampling	: Particulate sampling using paper strip swabs or direct vapor sampling
Sample type	: Explosives traces or vapors
Detected items	: All known explosives including homemade explosives, down to the nanogram level
False alarm rate	: Exceptionally low; extremely high resistance to interfering chemicals like perfumes, diesel exhaust or vapors, various odors, solvents, and other taggants
Operational modes	: "Wide range" mode for common explosives (incl. TATP) "Advanced" mode for the maximum sensitivity to military explosives "TATP" mode for enhanced sensitivity of TATP and homemade explosives
Control	: User-friendly, one button control. The first press turns on the device, the second press starts the scan. The long press turns off the instrument.
Cleaning	: Under 2 s; exceptionally resistant to contamination

Features

Start-up time	: Cold start typically takes 5 - 15 s (no bake-out procedure needed)
Detection time	: About 1 s; the sample is continuously evaluated
Alarm	: Acoustic and red-flashing visual alarm
Interface	: 1.6" colorful OLED display showing bar-graph and numeric output, one heavy-duty button operable in gloves
Connectivity	: USB 2.0, Wi-Fi (optional)
Remote control	: Wi-Fi or cable, ready for robot application

Power Supply

Battery	: Swappable Lithium-ion, 4 hours runtime
Charging	: 100 - 240 VAC wall charger, external single battery pack charger (optional), CLA car charger (optional)

Support

Training	: No special operator qualifications, skills, or training required
Remote	: Check, maintenance, calibration online via internet connection

Consumables

Cartridges	: One enough for 6 000 - 10 000 scans
Sampling strips	: Two packs of standard strips (250 pcs each), one pack of advanced strips (25 pcs)

Physical

Size	: 249 x 65 x 55 mm
Weight	: 0.69 kg (with battery)
Shipping	: 3.20 kg

Environmental

No toxic materials used
No radioactive materials used
Recyclable by manufacturer

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