



# EXPLONIX 2

**Handheld Explosives Trace Identifier  
& Radiological Threat Analyzer**

## General overview

- Technology** : Infra Red Sampled Selective Luminescence (IRSSIL), full-featured gamma-ray spectrometer (optional)
- Sampling** : Particular sampling using a paper strip or gilt needle, vapor sampling by direct sniffing, GSR sampling by direct sniffing of gun shot residues, radionuclide radiation detection & identification
- Sample type** : Explosives traces or vapors, gunshot residue, ionizing radiation (optional)
- Detected items** : All known explosives and plastics explosives (PETN, RDX, HMX, ...), incl. TATP or homemades explosives, radioactive materials (optional)
- Operation modes** : "Analytical" mode for identification, "Cold" mode for fast detection, "Continuous" mode for stationary use, "Gunshot Residue" mode and "Gamma Ray" mode for radionuclide detection and identification mode (optional)
- False alarm rate** : Excellent suppression of interfering compounds like perfumes, solvents, diesel exhaust or vapors, various odors, and other taggants
- Control** : User-friendly operation via 4-button keypad
- Cleaning** : Very fast, exceptionally resistant to poisoning

## Features

- Calibration** : Automatic for all channels
- Presets** : Available from manufacturer for various tasks, user can configure his own profile
- Interface** : Full-graphic display readable in sunlight and in the dark, mechanical buttons operable while wearing gloves, built-in barcode reader
- Connectivity** : USB 2.0, RJ45 Ethernet direct connection (optional), Wi-Fi (optional)
- Remote control** : Wi-Fi or cable, ready for robot application

## Power Supply

- Battery** : Swappable lithium-ion battery, runtime up to 4 hours
- Charging**: 100 - 240 VAC docking station, CLA car adapter (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** : 3 packs included, 250 strips per pack
- Sampling needles**: 3 included

## Physical

- Size** : 260 x 170 x 105 mm (including handle)
- Weight** : 3.9 kg including battery
- Shipping** : 13.0 kg (fully equipped transport case)

## Environmental

- No toxic materials used
- No radioactive materials used
- Recyclable by manufacturer

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