

Non-Radioactive Handheld Explosives & Narcotics Detector

Model: **EW-NRND2**

EW-NRND2 is a non-radioactive trace-level explosives and narcotics detector based on Ion Mobility Spectrometry (IMS) technology. It utilizes a non-radioactive ionization source to safely, accurately, and simultaneously detect and analyze traces of explosives and narcotics particles or vapors with high detection sensitivity at nanogram levels.

When using a special swab to wipe the surface of any suspicious object and inserting it into the device, EW-NRND2 immediately displays the specific compound and threat category. Lightweight and easy to operate with a 7-inch TFT touch screen powered by Android, it is highly flexible for on-site law enforcement and security inspection.

Key Features

- Non-radioactive ionization source for 100% safe operation without radiation hazard
- Dual-mode capability to detect explosives and narcotics simultaneously or in single mode
- High-sensitivity Ion Mobility Spectrometry (IMS) with low false alarm rate
- Fast 8-second analysis time with automated calibration, auto-cleaning, and self-diagnosis
- New Android-based system with an intuitive 7-inch TFT touch screen for efficient operation
- Massive data storage supporting up to 500,000 raw data logs and upgradable substance library
- Multi-interface connectivity (USB / LAN / HDMI) with remote diagnostic capability
- Lightweight (4.8 kg) handheld design with ≥ 3 hours battery life for portable field use



Technical Specifications

Specification	Details
Principle	Ion Mobility Spectrometry (IMS)
Ionizer	Non-radioactive ionization source
Detection Mode	Dual-mode (Explosive mode / Narcotic mode / Simultaneous)
Explosives Detected	Vast majority of commercial & military explosives: TNT, RDX, BP, PETN, NG, AN, HMTD, Tetryl, TATP, etc.
Narcotics Detected	Vast majority of narcotics: Cocaine, Heroin, Morphine, THC, Methamphetamine (MA), Ketamine, Fentanyl, etc.
Sensitivity	Nanogram level (10^{-9} to 10^{-7} gram)
Analyzing Time	8 seconds
Warm-up Time	< 20 minutes
Dimension (L × W × H)	412 mm × 158 mm × 170 mm
Weight	4.8 kg
Display Screen	7 inches TFT touch screen
Operating System	New Android System
Data Storage	500,000 raw data logs (Upgradable Library)
Battery Life	≥ 3 hours
Device Interface	USB / LAN / HDMI
Power Adapter	Input: AC 100~240V, 50/60 Hz; Output: DC 24V

Target Applications

Airport • Railways • Defense • Education • Hospital • Government • Office • Bank • Retail

Disclaimer: All pictures shown are for illustration purposes only. The actual product and color may vary due to product enhancement. The brief specification is mentioned and may change without prior notice. Please consult us before placing any order.

CONTACT EWIT FOR QUERIES & ORDERS

Phone: +91 98184 10006 | Email: sales@ewit.in | Website: www.ewit.in