

Portable Trace Explosive And Narcotic IMS Detector

XS-ED2304



Dual-tube Dual-mode Portable Trace Explosive and Narcotic IMS Detector - Independent IP VUV Non-Radioactive Ionization Source IMS



Competitive Advantages:

- A Stanford University PhD leads the innovation.
- Dual-tube Dual-mode detector capable of detecting dozens of explosives and drugs simultaneously.
- Detection sensitivity in nanogram, while TNT/Fentanyl reach picogram levels.
- Excellent performance in anti-drug campaign and real-world double-blind tests.
- Detects TATP, HMTD, chlorates, nitrates and a few kinds of tentany1.
- ISO 9001 quality control certificate, product quality are in accordance with US/EU standard.

Product Features:

- Innovated vacuum ultraviolet photoionization source ensures long-term stability for consistent inspection.
- Does not contain any radioactive substances and hazards, resulting safe and clean environment in all aspects of usage, storage and disposal.
- Automated calibration ensures accurate inspection, allowing the detector to work reliably in complex and variable environments.
- Fast detection and analysis, with test results reported in seconds, multi-level sensitivity settings to meet different application scenarios.
- Alarm information includes categories and names of prohibited substances, and the new substances can be added into the library as the client required.
- Simple operation, one-click inspection, friendly user interface with 5-inch TFT color LCD touch screen.
- Automatically clean and purify the detection system.
- Provide alarms such as sound, light and characters, while the user can set the silent alarm mode as needed.
- Wifi-or Ethernet to provide remote monitor from a control center, provide daily journal and alarm history information.
- Adopts modularized design through interface and index information, enabling customized detection project and content, so that expansibility is more flexible.

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Using Applications

Aviation security inspections, security inspections of subways, railways, highways and seaports. Logistics parcel inspection, drug detection, public security riot centers at all levels, government branches, police, border control, courts, customs, embassies, museums, churches, luxury hotels and large scale public event.

Technology	High Resolution Photoionization Ion Mobility Spectroscopy
Sample Collection	Wipe sampling cloth
Sensitivity	Nano gram level
Analysis Time	≤3s
Alarm Type	Sound + on screen display information
Detection Rate	Detection Rate: ≥99%, False Alarm Rate: ≤1%
Detectable Types	<p>Types of explosives: various military, civilian and terrestrial explosives, such as TNT, RDX, PET, NG, AN, black powder (BP), Tetra1, DNT, Gina (DINA), PA, C4, SEMTEX, TATP, HMTD, Oktojin (HMX)</p> <p>Sulfur-containing explosives, Comp explosives, AN-TNT, AN containing, Ammonium expansion, Nitroguanidine, Nitromethane and PYX etc., new samples can be added into library as needed.</p> <p>Narcotics types: Fentanyl1, COC, Heroin, THC, MAMP, KET, MOR, MDMA, Ephedrine, Methy1 Ephedrine, Amphetamine, Pentachlorophenol, MDA, Dulamine, Papaverine, Opium, Synthetic Ephedrine, Methadone, Caffeine, Numb, Codeine, Pseudoephedrine, Oxazepam, etc. New samples can be added into the library as needed.</p>
Cold start Time	< 5minutes
Display Screen	5" TFT Color LCD touch Screen
Detection Limit	TNT~0.1ng, COC~0.5ng
Self-cleaning	100ng TNT < 20 secondss
Overload recovery	1µgTNT<1minute, 1µg cocaine <2minutes
Battery parameters	Continuous power more than 3hours
Communication	Wifi or Ethernet network connection, Remote monitor and data download
Working Environment	-10 °C to 55°C, relative humidity <95% non-condensing
Supply Supply	100~240V/AC, 50-60Hz/24VDC and lithium-ion battery
History records	Provide historical records for detection results, daily journals
Weight	4.3 kg including battery
Dimensions (L x W x H)	340*175*180 mm