

Ion Mobility Spectrometry (IMS)

AT-IMS-500

Feature:

- Double modes of fast detect, waste no time
- Easy-to-carry and compact size
- Positioning location on map in real time
- Human-machine interface
- Remote control available
- Data connect and export from multiple system
- Test result comparison, print function
- Identify explosives, narcotics, radiation substances in the library, and self-built library new substance
- VGA video transfer display on screen
- Management platform function optional
- Radiation monitor function optional
- Data export raw data and spectra coded via USB, WIFI, bluetooth etc.
- Detect limit of ng

Application:

It's widely applied to Metro, Train, Public Safety, Judicial, Border police, government, poster service, express service, and IMS is ideal fast tool for trace drugs, explosives on the surface of goods, luggage or carrying by the passenger.

Description:

AT-IMS-500 is self-designed with the most advanced, hand-held, built-in battery explosives and narcotics trace detector, this CBRNE device applying Ion Mobility Spectroscopy (IMS) technology to fast and accurate detect and identify narcotics and explosives clarification.

Explosives including TNT, RDX, NG, PETN, AN, BP, HMX, DNT, 2,4,6-trinitrotoluene, TATP, HMTD, Tetryl, TNP, PA, support new self-built substance.

Narcotics including cocaine, Fentanyl, Heroin, Amphetamine, Methamphetamine, Methylenedioxy amphetamine "MDA", Tetrahydrocannabinol "THC", Morphine, Methylenedioxy Methamphetamine "MDMA", Methylenedioxy thylamphetamine "MDEA", Phencyclidine "PCP", Lysergic Acid Diethylamide "LSD", Ketamine, Diazepam, Dolantin, Naloxone Hydrochloride, Oxazepam, Dihydroetorphine Hydrochloride, support self-built new substances

Radiation substance detection optional



1. Parameter

Dimension	338×148×175 mm	Screen	5.6 inch touch screen
Battery life	> 5 h	Weight	< 3kg
Power	220V AC 50-60Hz Li-battery	Power Adaptor	Input 220V/AC 50-60Hz Output 16V/DC
Detect Time	< 3 s	Test rate	≥ 99%
Error rate	≤ 1%	Preheating	≤ 10 min
Technology	IMS	Working Temp	-15°C~50°C