

Hand Held Explosive Trace Detector

XS05-02



IMS Explosive Trace Detector

Vapor and Trace Particular



The IMS XS05-02 designed by the China Authority Third Research Institute of the Ministry of Public Security, is a novel, portable explosives trace detector, using the pseudo-random-sequence ion gate technology and Hadamard Transfer. These new methods are first applied to IMS(Ion Mobility and Spectrometry) detector both at home and abroad, which improve signal-to-noise and anti-interference ability dramatically, and reduces the false alarm rate. The detector has a user friendly interface and color display. It provides a sampling wand eliminating the test paper pollution from the operator. Its battery is easy to disassemble and quickly recharged. Besides, it is equipped with network port and USB port for sample data input and network connection, and able to store 2000 log records.

Features

- Easy to use, high sensitivity up to 10^{-9} gram, low false alarm rate
- More new samples can easily be programmed into AY05-02 system by user
- Ability of obtaining a detailed analysis result with the type of explosive on the color screen
- Quick analysis time, can get the result within 10 seconds to screen the potential threats
- Upgradeable sample data base and application program
- Data update and backup using PC suite via network port and USB
- High efficiency of sample collection thanks to circular inspiratory device system
- Three detection modes for options to address application, High, Middle and low



Application

The detector can be used for security at checkpoints in airports, government facilities, entertainment, transportation venues, and other buildings.

- Aviation Security
- Rail & Mass Transit
- Military & Defense
- Mass Public Occasion
- Customs Control
- Critical Infrastructure
- Police & Law Enforcement
- Border Crossing
- International Hotel
- Embassy
- Courthouse
- Government Meeting Activity

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Technology	IMS and Pseudo-random-sequence Ion Gate Technology
Sample Collection	Trace Particles and Vapors(Inhalation)
Sensitivity	10 ⁻⁹ gram
Analysis Time	4~10s
Alarm Type	Visual and Audible
False Alarm Rate	≤1%
Explosives Detected	Military and plastic explosives, including: TNT, C4, RDX, BP, PETN, AN and others Improvised and homemade explosives, including: TATP, HMTD, Urea Nitrate, Ammonium Nitrate and others Propellants and Taggants, including: Black and Smokeless powder, EGDN and others Additional sample can easily be programmed into XS05-02 by user.
Start-Up Time	less than 15 minutes
Display Screen	Color display screen
Calibration	Manual
Com Port	USB
Data Storage	≥ 2000 log records
Battery	14.4V /17.4Ah
Battery Life	Rechargeable Lithium-Ion battery (continuous working time of each 3 hours min)
Operating Temperature	-20 °C to 40°C
Adapter Supply Voltage	220V input, online and offline chargeable
Relative Humidity	< 99%
Weight	4.6 kg including 1.35 kg battery
Dimensions (L x W x H)	435*133*210 mm
Package	430*590*280 mm, 15 kg/case
Ability	Obtaining a detailed analysis result with the type of explosive
Certification	CE Compliant; ISO 9001:2008 Manufacturing Standards



Accessories

No.	Accessories	Unit	Qty
1	Instrument	pcs	1
2	Battery	pcs	2
3	Calibrants	pcs	1
4	Sampling Wand	pcs	1
5	Modcular Sieve	pcs	6
6	Modcular Sieve Key	pcs	1
7	Test Paper	pcs	300
8	Test Paper Storage box	pcs	3

No.	Accessories	Unit	Qty
9	Rubber Gloves	pcs	1
10	Background Software CD	pcs	1
11	Power Cable	pcs	1
12	Adapter(Charger)	pcs	1
13	Instrument Container	pcs	1
14	User Manual	pcs	1
15	Maintenance Manual	pcs	1
16	Certificate	pcs	1