

AY05-02

Hand Explosive Trace Detector (ETD)



AY05-02 Explosive Trace Detector (ETD) is a our high-tech product, adopting Photoionization Ion Mobility Spectrometry(PIMS) Technology

The detector has a user friendly interface and color display. It provides a sampling wand eliminating the test paper pollution from the operator.

Besides, it is equipped with network port and USB port for sample data input and network connection, can store 2000 log records.

The detector can be used in airports, harbors, stations, border checkpoints and other important locations.

Features

- Easy to use, high sensitivity up to 10^{-9} gram, low false alarm rate
- More new Samples can easily be programmed into to AY05-02 system by the user
- Ability to obtain detailed analysis results with the type of explosive on the colour screen
- Quick analysis time. Can get the result within 10 seconds of the potential threat(s), to the screen.
- Upgradable sample database and application program
- Data update and backup using a PC via LAN or USB
- High efficiency of sample collection thanks to circular inspiratory device system
- Three detection modes for options to address application (High – Middle – Low)

Applications

- Aviation Security
- Rail & Mass Transit
- Military & Defense sectors
- Mass Public occasion
- Customs control
- Critical infrastructure
- Police and Law Enforcement
- Border control
- Hotels, Embassies, Courthouses, Governmental areas etc.

AY05-02

Hand Explosive Trace Detector (ETD)

Specifications

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 AY05-02 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 °Cto 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 e
Certification	CE Compliant; ISO 9001:2008 Manufacturing Standar

No.	Accessories	Unit	Qty
1	Instrument	pcs	1
2	Battery	pcs	2
3	Calibrants	pcs	1
4	Sampling Wand	pcs	1
5	Modecular Sieve	pcs	6
6	Modecular 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