

Hand Held Explosive Trace Detector

Model : ON-ED1905



Non-radioactive Explosive Trace Detector Liquid, Vapor and Particular

Defender ON-ED1905 Portable Explosive Trace Detector adopts the advanced fluorescent polymer sensing technology, which is based on the change in photometric intensity of fluorescence emitted by fluorescent polymers. Not only can it detect the military/commercial explosive, ammonium nitrate explosive, but the oxides explosive. Operator can sampling the target by wiping(particular) and closing the bottle mouth(liquid,vapor). It is safest and the most sensitive explosive detector with rugged metal casing, starts from cold within two minutes, and backup by a eight-hours battery. The detection speed is less than 6 seconds, the detectability is up to 0.1 pictogram TNT, more than 30 explosives. The ON-ED1905 is becoming a preferred explosive detection device of armed police, public security and other government departments.



Features

- | | |
|-----------------------------|----------------------------------|
| ✓ Fluorescence Based | ✓ 2 Minutes Quick Start |
| ✓ No Radioactive Source | ✓ 6 S Fast Detection Speed |
| ✓ Automatic Calibration | ✓ Broad Explosive Identification |
| ✓ 0.1 Pictogram Sensitivity | ✓ Easy-to-operate |
| ✓ Low False Alarm Rate | ✓ Rugged Metal Casing |
| ✓ 2 Minutes Quick Start | ✓ 8-hours Backup Battery |

Application

Entry control and random checkpoint screening; Security sweeps; Post-event screening; VIP protection, etc.

- | | |
|------------------------|----------------------------|
| • Aviation Security | • Customs Control |
| • Rail & Mass Transit | • Critical Infrastructure |
| • Military & Defense | • Police & Law Enforcement |
| • Mass Public Occasion | • Border Crossing |

Hand Held Explosive Trace Detector

Specification

Technology	Fluorescent Polymer Sensing
Sample Collection	Trace Particles and Vapors(Inhalation)
Sensitivity	Picogram level (1 nanogram = 1000 picogram)
Analysis Time	≤6s
Alarm Type	Visual and Audible
False Alarm Rate	≤1%
Explosives Detected	Military and plastic explosives, including: TNT, C4, RDX, Semtex, PETN, Datasheet 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 explosives upon expandable threat library
Start-Up Time	Inhalation(≤10 s); wipe (≤2 minutes), less than 2 minutes from cold
Display Screen	3" TFT Color display Screen
Rated Voltage	DC 7.4V
Com Port	USB
Data Storage	≤ 50000 piece of information
Battery	7.4 V 9900 mAh 73 Wh
Battery Life	Two rechargeable Lithium-Ion batteries (continuous working time of each 8 hours min)
Operating Temperature	-20 °C to 55°C
Adapter Supply Voltage	100~220V, 50Hz
Rated Power	9 W
Weight	1.65 kg including battery
Dimensions (L x W x H)	380*110*60 mm
Package	465*390*235mm, 8kg/case
Enclosure & Protection	Magnesium and aluminium alloy casing with anti-corrosive coating
Certification	CE Compliant; ISO 9001:2008 Manufacturing Standards

Accessories

No.	Accessories	Unit	Qty
1	Instrument	pcs	1
2	Battery	pcs	2
3	Sample Kit	pcs	1
4	Wrist Strap	pcs	1
5	Adapter	pcs	1
6	Power Line	pcs	1
7	Sensor	pcs	10
8	Rubber Gloves	pcs	1
9	Withdrawal Kit	pcs	1

No.	Accessories	Unit	Qty
10	Sample Piece	pcs	350
11	Sampling Analysis Kit	pcs	1
12	Cleaning Bottle	pcs	1
13	Cleaning Swabs	pcs	1
14	Spare o-ring	pcs	15
15	Instrument Container	pcs	1
16	User Manual	pcs	1
17	Maintenance Manual	pcs	1
18	Certificate	pcs	1