

EI-HE300 Handheld Explosives Trace Detector



Product Instruction

EI-HE300 Handheld Explosive Trace Detector is a lightweight, fast, accuracy and extremely sensitive detection device for trace explosives based Ion Mobility Spectrometry (IMS) technology, which is independently developed. It has many advanced functions such as optional sensitivity level, hot-start, suitable for highlands advantages as easy operation, low-cost consumables and convenient maintenance. EI-HE300 has been applied many patents and inspected by the National Quality Supervise Center of Safety Protection and Alarming System, it has been widely applied for airport, customs, frontier defense, police, national defense, smuggling suppression, fire protection and army department etc.

Main Features

- ◆ High sensitivity and detecting ng to pg level explosives
- ◆ Three optional sensitivity , with hot-start function
- ◆ Portable and lightweight, 3.5 kg in total
- ◆ 3.5" color TFT display, rich interface prompts, easy to use
- ◆ Fast response and give analysis result within 8 seconds
- ◆ External vacuum sampling unit for effectives sample collection
- ◆ Environmental adaptability ,used normally in highlands
- ◆ Open databases, remote online service, use without worry

Applications

- ◆ Airport
- ◆ Post offices
- ◆ Custom
- ◆ Police
- ◆ Courts
- ◆ Frontier and port
- ◆ Firefighting
- ◆ Railway station
- ◆ Underground garage
- ◆ Large-scale acitivity
- ◆ Subway

Specification

- Technology.....Ion Mobility Spectrometry
- Explosives Detected.....Most commercially available and military explosives such as TNT、
DNT、 RDX、 PETN、 NG、 BP、 Tetryl、 HMX、 Semtex、 AN, etc.
- Sensitivity.....ng to pg level
- Analysis Time.....2 to 10 seconds
- Warm-up Time.....20 minutes (hot-start 5 minutes)
- Sample Collection.....Particulate collection via wiping, non-contact vapor collection
- Sample acquisition distance.....Less than 20cm for non-contact vapor collection
- Power.....110/220VAC, 50/60HZ
- Battery.....22.2VDC, lithium ion battery, work more than 4h, stand-by time:≥8h
- Alarm.....Audio and visual, with substance identification and display
on LCD screen
- Data Display.....3.5" color TFT display
- Calibration.....internal automatic calibration
- Dimensions(L×W ×H).....410×140×140 mm (16.2"×5.2"×5.2 ")
- Weight.....Less than 3.36kg (with battery)
- Working Temperature.....-10℃ to 60℃
- Relative Humidity.....≤95%
- interface.....USB, RS232
- Data Memory.....120000 records (2G SD card)

Side information

Health And Safety

Remark: above data base on National Standard GB15208.2

According to the national standard of the People's Republic of China GB15208.1-2005 and the international standards for radiation safety.

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Our company has won QMS "ISO9001: 2008", EMS "ISO 14001:2004", OHSMS"GB/T28001-2011". EI-HE300 won "EU CE certification".



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