HIKVISION®

ISD-SE311H

Portable Explosives & Narcotics Detector

Portable explosives & narcotics detector, based on ion mobility spectrometry (IMS) technology. The technology has been proven in field applications for more than 10 years. It can quickly detect trace of explosives and drugs from the surface of people and objects. The portable design concept makes it easy for users to carry the equipment for rapid deployment in the field, and meets the different requirements of different scenarios of public prosecutors and law enforcement agencies for on-site detection.

Features

- Non-radioactive source
- Simultaneous Detection of Explosives and Drugs
- Friendly user interface
- Real-time self-diagnostics

- Internal auto-calibration
- Light exterior design
- Easy sampling without unpacking
- Database is extensible

Functions

Principle	IMS
Ionization Method	non-radioactive ionization source
Detection Mode	Explosives mode, drugs mode, explosives drugs synchronized mode (dual mode)
Explosives	TNT, RDX, Black Powder （BP） ,PETN, NG, AN, etc.
Narcotics	Cocaine, Heroin, THC, MA, Ketamine etc.
Calibration	Internal automatic calibration without manual intervention
Sampling Methods	Swabbing
Sensitivity	ng （10^{-9} g）
False Alarm Rate	< 1%
Warm Up	< 20 min
Analysis Time	< 10 s
Clean Time	< 15 s

General Parameters

- ✧ Interface   7 inch Color Touch Screen
- ✧ Result Display   Intuitive display results with words, signal intensity, spectrograms etc.
- ✧ Interface   Ethernet, USB 2.0, HDMI
- ✧ Storage   > 50000 data (extendable）
- ✧ Dimension   409mm（L）×167mm（W）×159mm（H）
- ✧ Weight   < 5kg
- ✧ Power   100-240V±10%, 47-63Hz
- ✧ Battery   2 hours continuous
- ✧ Working Temp.   -10℃ to +55℃
- ✧ Operation System   Android
- ✧ Working Humidity   0 to 95% Non-condensation
- ✧ Working Pressure   60 to 106 kPa