2MPED-9

Explosives & Narcotics Trace Detector

Features

Features:

- Accurate detection with high sensitivity based on ion mobility spectrometry technology.
- Dual mode can simultaneously detect explosives and narcotics without switching detection mode.
- High sensitivity to picogram, accurate and quick results within seconds.
- Automatic calibration to adapt to environmental changes.
- Automatic cleaning after overload detection.
- Self-diagnosis and real-time warning to help users monitor if instrument is working properly.
- Large 10.4 inch TFT LCD screen with touch screen feature.
- Various warning modes, including sound, light, and font color.
- Real-time storage, more than 10 million records.
- Built-in printer, which can print the detection results routinely or in real-time.
- Database open to user. User can add new types of explosives/narcotics.
- Various data interfaces, including Ethernet, USB, RS232, Wi-Fi, Bluetooth, GPRS and 4G.
- Real-time update: users can update the software by USB or internet.
- Low cost consumables, Molecular Sieve-based filter media is low cost and easy to replace.
- Options:

    - Real-time positioning: with GPS positioning capabilities, the instrument is able to show its real-time location.

    - Includes remote status monitoring, result viewing, fault diagnosis and other functions which can be done through the network.
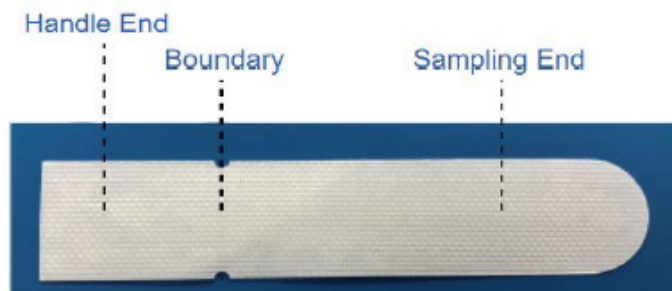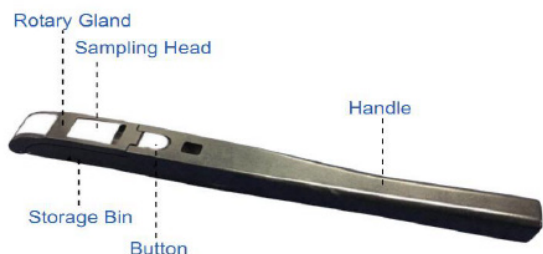
Specifications

GENERAL	
Dimension	332mm(L) x 332 mm(W) x 188mm(H)
Weight	10 kg
Gross Weight	20 kg
Packing Size	670 x 510 x 370 (mm)
Packing	Shock proof lining safe box

TECHNICAL SPECIFICATIONS	
Technology	Ion Mobility Spectrometry, IMS
Explosives Indentification	Trinotrototutuol(TNT), Hexogen(RDX), Pentaerythritol tetranitrate(PETN), Nitroglycerine(NG), Ammonium nitrate(AN), Black Powder, Dinitrotoluene(DNT), Tetryl, Octogen(HMX), Nitroxanthic acid, Gena, C4, Semtex explosive, TATP, HMTD, Nitroguanidine, HNS, Dinitroglycol, EGDN, DEGND, TNR, MNT, DMNB, PYX, TATB, Dinitrotoluen, etc
Nacotics Indentification	Cocaine hydrochloride, Heroin hydrochloride, THC, Methamphetamine, Ketamine hydrochloride, Morphine hydrochloride, Dolantin, Ecstasy(MDA), Papaverine, Ecstasy(MDMA), Methyl ephedrine, Methcathinone, Synthetic ephedrine(K2), Shake foot pill(LSD), Triazolam, Pentachlorophenol, Amphetamines (Ben Bingan), Fentanyl, Phenyl piperidine (PCP), Diazepam, Cathinone, MDEA, DHE, etc.
Database	Open to user. User can add new type of explosives or narcotics
Sampling	Wipe sampling of particles and air inlet sampling of vapors with sample cloth stripe
Alarm	Sound and light
Detection Limit	50pg cocaine; 50pg TNT
Analysis Time	≤ 10 seconds
Self-Cleaning	≤ 10 seconds
Warm-Up Time	< 15 minutes
Detection Rate	≥ 99%
False Alarm Rate	≤ 1%
Display	10.4 inch TFT color touch screen
Maximum Consumption	< 100W
Others	Software update by user, drying agent replace reminder Automatic cleaning, calibration, and diagnosis system Drying agent based on molecular sieve which is cost-effective and easy to change. Network port, serial port, USB, SD card

OPERATING ENVIRONMENT	
Power	100 - 240VAC 47- 63Hz
Operating Temperature	-5℃ ～ 50℃
Storage Temperature	-20℃ ～ 60℃
Humidity	45% ～ 99%

COMPLIANCE	
International	ISO19001 ; ISO14001 ; OHSMS18001 ; CE RoHS FCC

REV0213020

FC CE RoHS

Accessories

Power adapter, drying agent, sampling rod, sampling cloth stripe, touch pen, calibration stick, glove, cross screwdriver, USB and CD for data output, user manual.
Options: GPS and GMS antenna

Rotary Gland
Sampling Head
Handle
Storage Bin
Button

Handle End
Boundary
Sampling End

GPS Antennas

GSM Antennas

Filter Media Replacing Tool

Calibration Stick