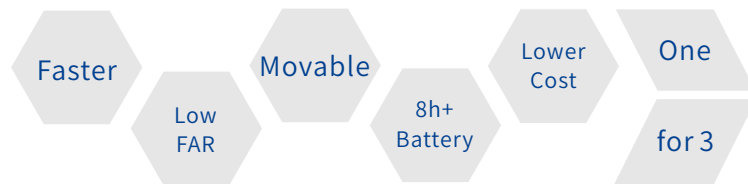


TR3000DE

EXPLOSIVE EXPRESS TRACE DETECTOR



Intro

The NUCTECH™ TR3000DE Explosive Express Trace Detector can identify the presence and type of trace substances of explosive and illicit drug that is sampled from passenger and cargo surfaces. Adopting Ion Mobility Spectrometry and a patented triple-inlet design, TR3000DE provides high sensitivity and outstanding efficiency in detecting a wide range of substances in a minimized operational cycle. It is especially ideal for security applications that requires higher detection capabilities within shorter time.

Features

- Multiple sample inlets to maximize throughput
- Faster algorithm to deliver alarm within 3 seconds
- 8 hours+ Battery to support mobile deployment
- Regenerative filter materials and reusable swabs
- Detecting explosives and drugs in a single analysis
- Self-adapted non-radioactive ionization source
- Automatically self-calibrated
- Simple and intuitive user interface (UI)
- Self-diagnosis system to detect malfunction
- Support visualized remote management
- Automatic maintenance reminder
- Yearly-based maintenance

Aviation
Security

Customs
Borders

Logistics

First
Responders



Technical Data

Item	Specification
Technological Principle	Ion Mobility Spectrometry
Ionization Technology	Non-radioactive Ionization Source (NRIS)
Analyzing Mode	Explosive Mode, Narcotic Mode and Dual Mode
Detectable Explosives	TNT, RDX, PETN, NG, AN, HMTD, HMX, Tetryl, TATP, UN, EGDN, DNT, Semtex, C4, Black Powder, etc.
Detectable Narcotics	Cocaine, Heroin, THC, MA, Ketamine, MDMA, Morphine, Amphetamine, LSD, Ephedrine, Fentanyl, etc.
Calibration Method	Automatic Internal Calibration
Verification Method	Standard Verification Pen
Sampling Method	Particulate Wiping and Vapor Sampling (Optional)
Sensitivity	Picogram
False Alarm Rate	< 1%
Analysis Time	< 6 seconds
Cleaning Time	< 5 seconds (Typical)
Warm-up Time	< 20 minutes
Readout	Automatic Pass/Alarm with substance name, credibility indicator and spectrum
Comm Interface	Ethernet / USB / VGA
Dimension	380mm (L) × 380mm (W) × 1200mm (H)
Weight	35 kg
Power Supply	100~240 VAC, 47~63 Hz
Battery Standby	> 8 hours
Operating Temperature	-20°C ~ +55°C
Operating Humidity	0 ~ 95% non-condensing

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NUCTECH AWARDED THE CERTIFICATE OF QUALITY MANAGEMENT SYSTEM (ISO9001:2008)

NUCTECH AWARDED THE CERTIFICATE OF ENVIRONMENTAL MANAGEMENT SYSTEM (ISO14001:2004)

NUCTECH AWARDED THE CERTIFICATE OF OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT SYSTEM (GB/T28001-2011)

