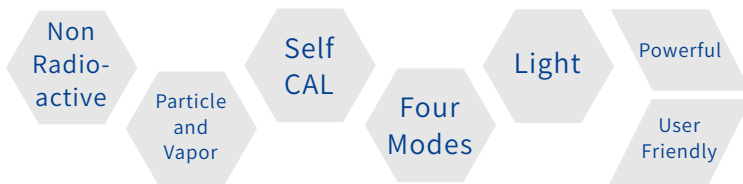


TR1000QC

HANDHELD MULTIFUNCTION CONTRABAND DETECTOR



Intro

The NUCTECH™ TR1000QC Handheld Multifunction Contraband 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, TR1000QC provides high sensitivity in detecting a wide range of substances in both particulate and vapor form. It also integrates a real-time nuclear radiation detector. It is especially ideal for security applications that requires sensitivity, non-contact sampling and portability.

Features

- Non-radioactive ionization source
- Explosive/Narcotic/VOC/CWA/Nuclear Radiation
- Faster algorithm to deliver alarm within 8 seconds
- New cleaning algorithm for higher transmission
- Self-tuning ionizer with no manual adjustment
- Less maintenance and consumable cost
- Self-calibrated, simple and accurate
- New Graphic UI, very easy to use
- Self-diagnosis system, higher robustness
- Integrates GPS/Wifi + Remote control
- Automatic maintenance reminder
- 2.5 hours+ Battery and less than 4kg

Check Points

Patrol Check

Customs Check

Cargo Screen



Technical Data

Item	Specification
Technological Principle	Ion Mobility Spectrometry, Geiger-Müller Counter
Ionization Technology	Non-radioactive Ionization Source (NRIS)
Analyzing Mode	Dual Mode, Explosive Mode, Narcotic Mode and Vapor 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.
Detectable VOCs	Ammonia, Hydrogen chloride, Hydrogen sulfide, CWA, etc.
Detectable Radiation	X ray and Gama ray (50 keV-1.25 MeV)
Calibration Method	Automatic Internal Calibration
Sampling Method	Particulate wiping and Vapor sampling
Sensitivity	Nanogram / ppm / 0.1μGy/h-10Gy/h
False Alarm Rate	< 1%
Analysis Time	< 8 seconds
Warm-up Time	< 15 minutes
Readout	Automatic Pass/Alarm with substance name, credibility indicator and spectrum
Comm Interface	Ethernet / USB / Wifi / GPS
Dimension	397mm (L) × 147mm (W) × 192mm (H)
Weight	< 4kg
Power Supply	100~240 VAC, 47~63 Hz
Battery Standby	2.5 hours/5 hours (Optional)
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)



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