TR2000DC
Desktop Explosives & Narcotics Trace Detector

STVS

CAAC CERTIFIED

ECAC APPROVED

TECHNICAL FEATURES

- Approved by ECAC in both Passenger & Cargo Screening
- Non-radioactive ionization source (NRIS)
- Simultaneous explosives & narcotics analysis
- Automatic self-calibration
- Fast detection of most explosives in 5 seconds
- Hot-Pluggable batteries for 5 hours standby
- Live self-diagnosis for easy maintenance
- Modularized design to enable field repairs
- Low false alarm rate
- Expandable detection library
- Reusable sampling swabs and filter materials

9.17"

12.8"

13.4"
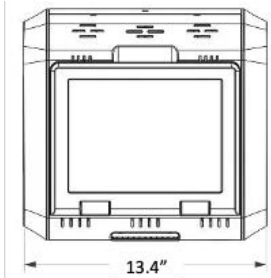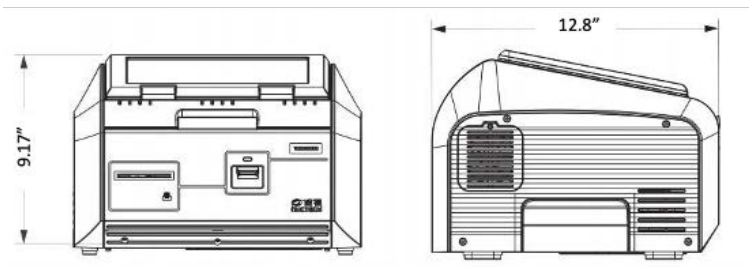
INSPECTION ITEMS

The STVS TR2000DC is a desktop, dual-mode trace detector (ETD) built on more than 15 years of field-proven experience of the TR family. Powered by non-radioactive Ion Mobility Spectrometry (IMS), TR2000DC enables users to detect and identify traces of explosive and narcotics sampled from the surface of humans, cargo, and parcels.The low false alarm rate and operational efficiency of TR2000DC make it a powerful instrument widely used in aviation security, customs and border crossings, law enforcement, and critical infrastructure protection.

TR2000DC

TECHNICAL SPECIFICATION

Technical Principle	Ion Mobility Spectrometry (IMS)
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
Detectable Narcotics*	Cocaine, Heroin, THC, MA, Ketamine, MDMA, Morphine, Amphetamine, LSD, Ephedrine, Fentanyl.
Calibration	Automatic internal calibration
Verification	Standard Verification Pen
Sampling Method	Particle sampling with reusable swabs by directly using hand or wand
Sensitivity*	Nanogram
False Alarm Rate	< 1%
Warm-up Time	< 20 minutes
Analysis Time	< 8 seconds
Cleanup Time	< 10 seconds (typical)

FUNCTIONS AND CONFIGURATIONS

User Interface	10.4" color touch-screen with easy software UI
Readout	Pass/Alarm with substance name, signal strength, original spectrum (configurable audio alarm)
Data Interface	Ethernet (2 ports), USB (2 ports) and VGA, supporting data transfer via USB or Ethernet
Data Storage	>100,000samples (expandable memory)
Printer	Built-in thermal printer or external USB printer

INSTALLATION DATA

Dimensions	13.3 in (L) × 12.7 in (W) × 9.2 in (H)
Weight	< 26 lbs
Power Supply	100-240VAC ±10%, 47-63 Hz
Battery	Rechargeable battery supporting 1 hour operation
Operating Temperature	-4°F to +131°F
Operating Humidity	0 to 95% non-condensing
Operating Pressure	40 to 106 kPa

* Threat substances and sensitivity setting are subject to regulatory authority and customization