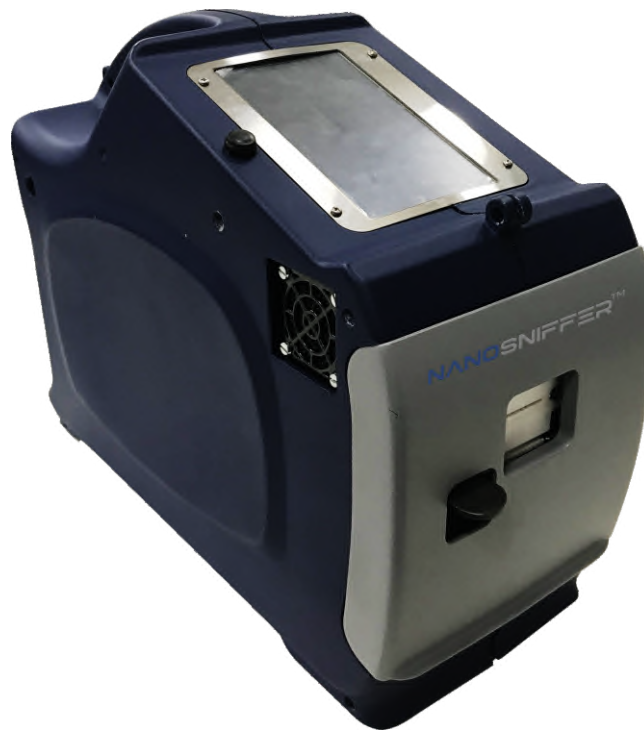
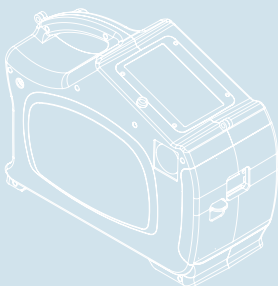


NANOSNIFFER™ Explosives Trace Detector



FEATURE HIGHLIGHTS

- First Microsensor based explosive trace detector
- Detection in less than 10 seconds
- Detects all classes of military, conventional & homemade explosives
- Can detect nanogram quantities of Explosives Traces
- Less than 3% false alarms
- Visible & audible alerts with sunlight-readable color display



About NanoSniffer

Explosives remain the weapon of choice for terrorists around the world. Improvised Explosives Devices (IEDs) are a threat from international terrorist organizations and local, home-grown terrorists as well. NanoSniffer is a Microsensor based highly sensitive and selective explosives trace detector, in a portable desktop configuration. It can be used to accurately detect a wide range of military, commercial and homemade explosives threats.

OPERATION

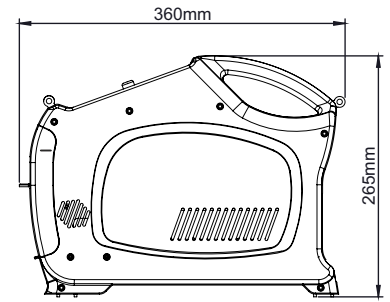
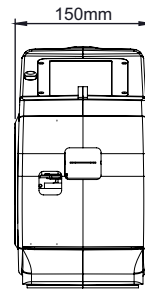
Operator collects traces of explosives on a swipe, and inserts the swipe into the Instrument. Particles collected on the swipe are internally transferred to the Microsensor, which tests whether the collected particles are explosives or not. Signals from the Microsensor are further analysed by the Electronics, which then appropriately informs the operator of the result.

TECHNOLOGY

Based on Microsensors, High Sensitivity & High Speed Electronic Instrumentation, and Intelligent Mathematical Algorithms.

DETECTION CAPABILITIES

- Nitramines - RDX, HMX
- Nitroesters - PETN
- Nitroaromatics - TNT
- Nitrosamines - R-Salt
- Peroxides - TATP
- Inorganic nitrates - Ammonium Nitrate, Urea Nitrate
- Chlorate & Perchlorates - KClO₄
- Smokeless powder - NitroGlycerine, Ethyl Centralite



Technical Specifications

System Overview	
Description	- Handheld Explosive Trace Detector
Data Storage	- Stores upto 12000 Tests' Data Internally
User Level	- Operator and Administrator
Environmental	
Operating Humidity	- 5% to 90% RH non-condensing
Ambient Operating Temperature	- -5 °C to 55°C
Storage Temperature	- -10 °C to 60°C
Physical Feature	
Dimension (L x W x H)	- 360 x 150 x 265 (mm)
Weight	- 3.8 kg
Power	
Battery Specs	- Two rechargeable Li-ion batteries (1 Main & 1 Backup battery)
Input Voltage	- Chargeable via 230V/110V, 50/60 Hz Adapter & Dock Station
System Interface	
Communication	- Through USB interface

Designed, Developed & Manufactured by:

Nanosniff Technologies Pvt. Ltd.

F-14 Old CSE Bldg, IITB Research Park,
IIT Bombay, Powai, Mumbai - 400076

Marketed by:

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