



**IONSCAN 400B**  
**Stationary Detection System**

# IONSCAN 400B

DESKTOP EXPLOSIVES OR NARCOTICS TRACE DETECTOR



## Feature highlights

- Detect and identify over 40 explosive or narcotic substances
- Tested, field-proven instrument
- Used daily by Military, AVSEC, Customs, Corrections and at high-profile facilities
- Simple operation, easy to maintain

With billions of US dollars in drug and asset seizures being made with the assistance of an IONSCAN, and thousands being used at major international airports, by the military and law enforcement agencies, the IONSCAN 400B is the world's most popular desktop explosives or narcotics trace detector.

A simple wipe with a swab over items such as checked or carry-on luggage, portable electronic devices, and packages is all that is necessary to collect a sample which is then placed into the IONSCAN for analysis. In 8 seconds the color-coded display presents results to the operator — red for a detection

and green for the "all-clear". If a contraband substance is detected, the specific name is identified on the display. A detection of trace explosives indicates that an explosives device may be present or that the person may have been handling explosive material in preparing a bomb and further investigation is necessary.

Leading aviation organizations, including the FAA/TSA in the United States, Transport Canada, and the BAA in the United Kingdom, have evaluated and approved the IONSCAN for their aviation security needs.

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## IONSCAN 400B

### Frye & Dow Standard

It is most important for any procurement agency to consider whether an instrument will survive a judicial challenge. If it will not, the equipment may not serve its intended purpose.

The IONSCAN has been thoroughly tested, challenged, and evaluated in US federal and state courts, and has passed the Frye & Dow Judicial Standard. These standards basically require that the instrument under challenge be "generally accepted by the

scientific community". This standard was quite easy for the IONSCAN to meet, with the IONSCAN being used by chemists and field agents of the FBI, used in every regional DEA lab in the United States, and by forensic scientists around the world.

### Sample Collection

Proper sample collection is key to the success of any trace detector. The swab sampler provided with every IONSCAN is the most effective sample collector available. The design

allows sufficient force to be applied in sample collection without tiring the operator.

The long arm of the swab sampler allows the sample to be collected without risk of hand injury to the operator from hidden sharp objects.

## Technical Data

### General Specifications

Technology	Ion Mobility Spectrometry (IMS)
Explosives Detected	RDX, PETN, TNT, Semtex, Tetryl, NG, Nitrates, HMX and others
Drugs Detected	Cocaine, Heroin, PCP, THC, Methamphetamine, Ecstasy, LSD and others
Analysis Time	6-8 seconds
Ready Time	Less than 20 minutes
Weight	47 lbs. (22 kg)
Size	15.5 x 13.5 x 13" (40 x 34 x 32 cm)
Operating Temperature Range	32°F to 104°F (0°C to 40°C), less than 95% humidity, non-condensing

### Options

DC Remote Sampler  
 Long Life Air Purification Unit (LLAPU)  
 Printer  
 Trolley



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