

IONSCAN SENTINEL II

NON-CONTACT, WALK THROUGH PORTAL FOR EXPLOSIVES
OR NARCOTICS DETECTION



Feature highlights

- True head-to-toe screening of people
- High throughput — screen 6 people per minute
- Fully automated
- Operator touch screen display
- Digital camera and color printer supplied
- Certified “Approved for Homeland Security” under the
- US Department of Homeland Security SAFETY Act

The challenge of detecting threats being carried by a person onto public transportation systems and into public and private buildings is one that is made easier with the IONSCAN SENTINEL II from Smiths Detection. Only the SENTINEL II walk-through portal offers true head-to toe, non-contact screening of people for trace explosive or narcotic substances.

Designed specifically for this challenge and to reduce the need for time-consuming physical searches, the SENTINEL II uses gentle puffs of air to dislodge particles trapped on hair, the body, clothing and shoes. Aided by gravity and

a downward airflow, these particles are then directed into the SENTINEL II for analysis. Trace amounts of more than different 40 explosives or drugs are detected and identified in seconds. The high throughput screening of up to 6 people per minute is made possible through the use of IONSCAN technology combined with pre-concentration technology developed by Sandia National Laboratories, licensed exclusively to Smiths Detection.

Operator interface is through a color touch screen display with results displayed in an easy-to-understand fashion. If there is

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an alarm, the color printer will automatically make prints of digital photos taken during the screening process.

Evolution of IONSCAN SENTINEL II

In direct response to customer needs and as a result of field experiences, this new edition of the IONSCAN SENTINEL II requires less power, has a more modular frame design for easier installation and as a result, weighs less than earlier models of the SENTINEL. Further enhancements include a more ergonomic design, improved passenger interface and easier maintenance. All these improvements are made

while maintaining the high sensitivity and reliability that you expect from a Smiths Detection IONSCAN instrument.

Applications

The IONSCAN SENTINEL II answers the need for screening people for trace explosives or narcotics. With its high throughput, the SENTINEL II is ideal for applications where large numbers of people need to be screened for threats quickly, such as at airports, customs, military bases, correctional facilities, at high profile facilities and public events. Past security incidents, evidenced by the "shoe bomber", show the lengths that

terrorists will go when attempting to carry out their plans.

Only the SENTINEL II from Smiths Detection dislodges particles from head-to-toe for sampling. By increasing the area from where samples are taken, the SENTINEL II is better equipped to help you determine whether explosives or narcotics may be concealed on a person, or when traces of these substances may remain on someone after handling explosives or narcotic material.

Technical Data

Technology	Ion Mobility Spectrometry (IMS)
Explosives Detected	RDX, PETN, TNT, Semtex, NG and others
Drugs Detected	Cocaine, Heroin, PCP, THC, Methamphetamine, Ecstasy and others
Weight	Approximately 1775 lbs. (805 kg)
Size	74" x 55" x 90" (188 x 140 x 229 cm)
Power	208/220 VAC, 50Hz or 60Hz 30A max. (explosives mode), 40A max. (narcotics/dual mode)
Accessories Included	Digital Camera Color printer

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