

IONSCAN 500DT

SIMULTANEOUS EXPLOSIVES AND NARCOTICS TRACE DETECTOR



Feature Highlights

- Simultaneous detection of explosives and narcotics
- Over 40 substances detected and identified in 5-8 seconds
- Large touch-screen color display
- Built-in printer
- Internal data storage
- Simplified maintenance
- Low cost of ownership

The IONSCAN 500DT fits the growing need of security professionals to have the ability to detect a wide range of substances and to be able to adapt as threats and their needs change.

By incorporating two IMS detectors in a single unit, the IONSCAN 500DT is capable of detecting and identifying explosives and narcotics during a single analysis, giving you the ability to detect a broader range of substances while maintaining the high sensitivity and specificity you expect from Smiths Detection.

This dual detector system is ideal for any security application. Aviation security personnel and the military will benefit from the capability to detect a much broader range of explosive substances. Customs, coast guard and border crossing agencies that require the ability to detect both narcotics and explosives from a single sample will be able to secure their duties utilizing one instrument. Facility security professionals will be aided in better protecting access points to commercial buildings, courthouses and correctional facilities, with the ability to detect multiple threats with one instrument.

Ionscan 500dt Smiths Detection Manual

Maurice Marshall, Jimmie C. Oxley



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Aspects of Explosives Detection Maurice Marshall, Jimmie C. Oxley, 2011-07-28 Detection and quantification of trace chemicals is a major thrust of analytical chemistry. In recent years much effort has been spent developing detection systems for priority pollutants. Less mature are the detections of substances of interest to law enforcement and security personnel in particular explosives. This volume will discuss the detection of these not only setting out the theoretical fundamentals but also emphasizing the remarkable developments in the last decade. Terrorist events: airplanes blown out of the sky (PanAm 103 over Lockerbie) and attacks on U.S. and European cities (Trade Center in New York and the Murrah Federal Building in Oklahoma City; railways in London and Madrid) emphasize the danger of concealed explosives. However, since most explosives release little vapor it was not possible to detect them by technology used on most organic substances. After PanAm 103 was downed over Scotland the U.S. Congress requested automatic explosive detection equipment be placed in airports. This volume outlines the history of explosive detection research, the developments along the way, present day technologies, and what we think the future holds. Written by experts in the field who set out both the scientific issues and the practical context with authority. Discusses and describes the threat. Describes the theoretical background and practical applications of both trace and bulk explosives detection.

The Enigmatic Realm of **Ionscan 500dt Smiths Detection Manual**: Unleashing the Language is Inner Magic

In a fast-paced digital era where connections and knowledge intertwine, the enigmatic realm of language reveals its inherent magic. Its capacity to stir emotions, ignite contemplation, and catalyze profound transformations is nothing in short supply of extraordinary. Within the captivating pages of **Ionscan 500dt Smiths Detection Manual** a literary masterpiece penned by a renowned author, readers attempt a transformative journey, unlocking the secrets and untapped potential embedded within each word. In this evaluation, we shall explore the book's core themes, assess its distinct writing style, and delve into its lasting impact on the hearts and minds of those that partake in its reading experience.

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