



HazMat Air Monitoring & Detection Devices

First Edition

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ISBN #: 0766807274

©2002 Publish Date: 08/02/2001

Binding: Softcover Adhesive

Pages: 160

Publisher: Thomson Delmar Learning

Description:

Hazardous Materials Air Monitoring/Detection Devices provides HazMat teams with a thorough guide to effective air monitoring in emergency response situations. The key component to safely responding to hazardous materials is the use of a variety of detection devices for effective air monitoring. In this book, each type of air monitoring device available for emergency services is described in detail, including operating guidelines and sampling strategies. The most up-to-date information is provided along with discussion of the future trends and technology shaping this business, keeping the user at the forefront of this rapidly changing field. Also, a special section discusses the latest trend in HazMat-the detection and monitoring of hazardous agents used for terrorism. (Keywords: Hazmat)

Product Benefits:

- provides the most up-to-date information on current air monitoring devices, as well as emerging technologies, helping the user stay at the forefront of this rapidly changing field
- discusses the latest trends in the HazMat field such as techniques for the detection and monitoring of nuclear, biological, and chemical agents used for terrorism
- outlines step-by-step sampling strategies and operating guidelines, giving the user a systematic approach to HazMat detection
- explains technical information in an easy to understand format for more efficient use
- features case studies that integrate theoretical strategies with real-life scenarios

Table of Contents:

Role of Air Monitoring in HazMat Response. Identifying the Corrosive Risk. Oxygen Level Determination. Combustible Gas Detection. Toxic Sensors. Ionizing Detection Units. Colorimetric Sampling. Other Detection Devices. Risk-Based Response. Sampling Strategies. Warfare Agent Detection. Glossary.