

ADVANCED DETECTION SYSTEMS®

SURROUNDSCAN DEFENDER III

DETECTS FERROUS, NON-FERROUS AND STAINLESS STEEL
DEFENDS PROCESSING EQUIPMENT AND ENSURES PRODUCT PURITY



DESIGNED FOR USE IN INDUSTRIAL APPLICATIONS

The SurroundScan Defender III provides state of the art detection levels in critical industrial applications. The Defender III will protect extruders, colanders, granulators and other processing equipment while ensuring quality control standards for product purity are being met. The SurroundScan Defender III will prevent damage to processing equipment, costly downtime and its robust IP69K rated construction will stand up to tough industrial environments. The SurroundScan Defender III is engineered to provide years of reliable, consistent performance.

THE ADVANCED DETECTION SYSTEMS DIFFERENCE

For the past 30 years, Advanced Detection Systems has been developing SurroundScan technology so each system performs reliably in the presence of electrical power fluctuations, radiated noise and system vibration. In addition, Advanced Detection Systems developed patented state-of-the-art electronics that provide easy system setup in a wide variety of rubber, corrugated, plastics, textile and other industrial applications.



www.adsdetection.com

phone: 414-672-0553 • Milwaukee, WI • sales@adsdetection.com

SURROUNDSCAN DEFENDER III

DETECTS FERROUS, NON-FERROUS AND STAINLESS STEEL
DEFENDS PROCESSING EQUIPMENT AND ENSURES PRODUCT PURITY



IP69K Construction

Our SurroundScan Defender III is designed to withstand the harshest industrial environments



AccuLearn Technology

Quickly learns product characteristics and establishes the ideal detector sensitivity



Custom Sizing

Get a Defender III built to fit your existing processing line



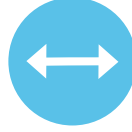
Engineered & Manufactured In-House

Promptly respond to customer's needs by designing and building a quality system delivered when promised



Patented Vibration Technology

Improves performance and reliability when vibration is present



Guaranteed Sensitivity

We will test your product and provide a sensitivity guarantee

STANDARD SPECIFICATIONS

- Power Supply: 115VAC standard - contact factory for other voltages; NEMA 4 enclosure
- Humidity up to 95% RH
- Operating Temps: 0° to 45°C and 32° to 113°F (lower operating temps available)
- Reject Timer Options: Set from the touchscreen

DEFENDER III'S TECHNOLOGY

- Acculearn Technology allows automatic adjustment of detector sensitivity settings without operator input
- Patented coil auto-balance technology eliminates the need to re-balance the coil
- Adjustable RF protection ensures reliable performance in the presence of radiated noise and electrical power fluctuations
- Digital control and processing with two channel detection
- Data retention when power is disrupted or disconnected

STANDARD FEATURES

- Password Protection: Offers users two levels of selectable passwords: Operator Level: Change product set-up mode; Engineering Level: Access factory set-up parameters

OPTIONAL ACCESSORIES

- Control cabinet heater: for 40°F and below
- External remote control cabinet



SURROUNDSCAN DEFENDER III



SURROUNDSCAN DEFENDER III & CONVEYOR SYSTEM



ADVANCED DETECTION SYSTEMS®

www.adsdetection.com

4740 West Electric Avenue, Milwaukee, WI 53219 USA

phone: 414-672-0553 • fax: 414-672-1283

sales@adsdetection.com