

ADVANCED DETECTION SYSTEMS®

PROTECTOR LP METAL DETECTOR

DETECTS FERROUS, NON-FERROUS AND STAINLESS STEEL
LOW-PROFILE, FOR USE ON PORTABLE CONVEYORS

PREVENTS DAMAGE TO SHREDDERS & COSTLY DOWNTIME



Easy to Use
**STATE-OF-THE-ART
ELECTRONICS**

Dependable
**HEAVY DUTY
CONSTRUCTION**



DESIGNED FOR WOOD PROCESSING APPLICATIONS

The SurroundScan Protector Low Profile metal detector offers the same core technology as the proven Protector HD. The Protector LP's difference is the 45% smaller coil enclosure and 40% weight reduction that simplifies its installation on conveyor frames where clearance between the conveyor belt and frame is limited. Our equipment is designed to detect metal, alert workers and shut down processing equipment before it can be damaged. The Protector LP's steel plate construction and sealed electronics enclosure make it well suited for any environment.

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 aggregate applications.

HOW WE HANDLE AFTERMARKET CARE

Advanced Detection Systems focuses on providing excellent aftermarket services. We offer prompt field service, troubleshooting, metal detector startup, product testing, and training.



www.adsdetection.com

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LOW-PROFILE, FOR USE ON PORTABLE CONVEYORS

ENSURE PRODUCT PURITY & DEFEND PROCESSING EQUIPMENT



Nationwide Service

Factory techs and local sales reps to assist with start-up, training, emergency service calls and other aftermarket services



AccuLearn Technology

Quickly learns product characteristics and establishes the ideal detector sensitivity



Custom Sizing

Get a Protector LP built to fit your existing processing line



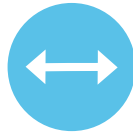
Engineered & Manufactured In-House

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



Product Monitor

Provides real time signal values for your product and the tramp metal that must be detected



Patented Auto-Balance

Keeps the Protector's coils balanced indefinitely for consistent detection levels

STANDARD SPECIFICATIONS

- Power Supply: 110VAC 30VA max, single phase, NEMA 4 enclosure
- PLC Outputs: Voltage-free relay contacts rating 240V, 3A
- Operating Temps: -28° to 49°C and -20° to 120°F
- Reject Timer Options: Reject functions are carried out under microprocessor control and are set from the touchscreen display

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
- Integral Control Enclosure
- Integral Detect Light Beacon

Tools And Equipment Parts

are susceptible to breakage over time, due to wear and tear. The Protector LP protects your processing equipment from tramp metal damage.



TOTAL SYSTEM CONFIGURATION



PROTECTOR LP'S TECHNOLOGY

- Acculearn Technology allows automatic adjustment of detector sensitivity settings without operator input
- Protector LP's patented auto-balance software to keep consistent detection levels
- Adjustable RF protection ensures reliable performance in the presence of radiated noise and electrical power fluctuations

OPTIONAL ACCESSORIES

- Control cabinet heater: for 40°F and below
- Remote control enclosure
- Belt splice sensor
- Metal marker



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magnetic group