

ADVANCED DETECTION SYSTEMS®

PROTECTOR HD METAL DETECTOR

DETECTS FERROUS, NON-FERROUS, AND STAINLESS STEEL METALS



Easy to Use
STATE-OF-THE-ART
ELECTRONICS

Dependable
HEAVY DUTY
CONSTRUCTION

DESIGNED FOR WOOD PROCESSING AND ORGANIC RECYCLING APPLICATIONS

Your equipment is designed to cut, shred, and process wood, not metal. The Protector HD metal detector will detect metal, alert workers and even shut down equipment before it can be damaged. The Protector HD's steel construction and NEMA 4 electronics enclosure is designed for outdoor use and the removable end plate facilitates easy installation in existing processing lines.

THE ADVANCED DETECTION SYSTEMS DIFFERENCE

For the past 30 years, Advanced Detection Systems has been developing technology so that 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 wood processing and organic 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

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



PROTECTOR HD METAL DETECTOR

DETECTS FERROUS, NON-FERROUS, AND STAINLESS STEEL METALS

Ensures Product Purity and Defends Processing Equipment



AccuLearn Technology

Quickly learns product characteristics and establishes the ideal detector sensitivity



Custom Sizing

Get a Protector HD built to fit your existing processing line



Patented Auto-Balance

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



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 metal contaminants that must be detected



Nationwide Service

Local technicians to assist with start-up, training, emergency service calls and other aftermarket services

STANDARD FEATURES

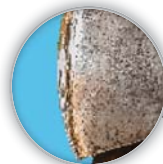
- Password Protection: Offers users two levels of selectable passwords:
 - Operator Level: Change product set-up mode
 - Engineering Level: Access factory set-up parameters
- Integral Control Enclosure
- Integral Detect Light Beacon

STANDARD SPECIFICATIONS

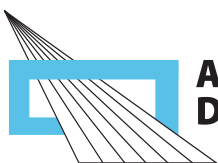
- Power Supply: 110VAC 30VA max, single phase, NEMA 4 enclosure
- PLC Outputs: Voltage-free relay contacts rating 240V, 3A
- Operating Temps: -28° to 49°C and -20° to 120°F
- Reject Timer Options: Reject functions are carried out under microprocessor control and are all set from the touchscreen display

PROTECTOR HD'S TECHNOLOGY

- Acculearn Technology:
 - Allows automatic adjustment of detector sensitivity settings without operator input
- Protector HD easily programmed for specific size tramp metal:
 - Optimum performance ensured and lowered risk of false rejects
- Adjustable RF Protection:
 - Ensures reliable performance in the presence of radiated noise and electrical power fluctuations



Tools And Equipment Parts are susceptible to breakage over time, due to wear and tear. The Protector HD protects your processing equipment from tramp metal damage.



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