

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 MINING AND AGGREGATE APPLICATIONS

Tramp metal can cause damage to your crushing equipment and lead to costly downtime. The Protector HD's product monitor measures tramp metal signals so metal that can damage your crushing equipment will be detected and smaller pieces of metal that pose no threat will be allowed to pass through your processing system without stopping production.

THE ADVANCED DETECTION SYSTEMS DIFFERENCE

For the past 30 years, Advanced Detection Systems has been developing 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 mining and 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

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



PROTECTOR HD METAL DETECTOR

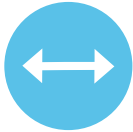
DETECTS FERROUS, NON-FERROUS, AND STAINLESS STEEL METALS

Prevent Damage to Crushers & Costly Downtime



AccuLearn Technology

Quickly learns product characteristics and establishes the ideal detector sensitivity



Patented Auto-Balance

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



Product Monitor

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



Custom Sizing

Get a Protector HD 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



Nationwide Service

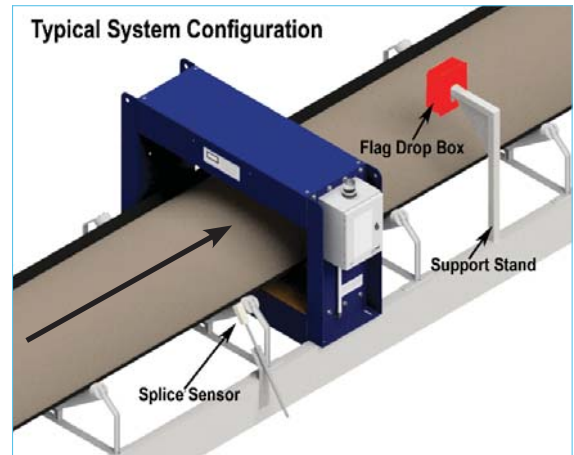
Local technicians to assist with start-up, training, emergency service calls and other aftermarket services

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

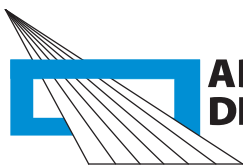
STANDARD FEATURES

- 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
- Two Configurable Output Relays



PROTECTOR HD'S TECHNOLOGY

- Acculearn Technology: allows automatic adjustment of detector sensitivity settings without operator input
- Protector HD's technology is designed to meet the metal detector application needs of mining and aggregate industries
- Adjustable RF Protection:
 - Ensures reliable performance in the presence of radiated noise and electrical power fluctuations



**ADVANCED
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Loader Teeth

Are susceptible to breakage over time, due to wear and tear. The Protector HD protects your crushers from tramp metal damage