

Why Buy Advanced Detection Systems Surround Scan Protector HD

- ✓ Heavy duty steel construction protects the coils and provides long term durability in tough environments.
- ✓ State of the art power supply and noise protection eliminates nuisance trips caused by line spikes and radiated noise.
- ✓ Digitally auto-balanced coil and dual channel operation provide the best possible sensitivity performance in the presence of highly conductive products.
- ✓ The built in Product Monitor allows you to ‘see’ the electronic signatures of the material and the metal so that you can fine tune the metal detector for optimum performance...detect the size metal you must to prevent damaging your crusher while allowing nuisance size metal to pass.
- ✓ Acculearn technology simplifies the metal detector set-up and daily use to accommodate belt splices and steel cord belts.
- ✓ Patented technology compensates for the effects of vibration that can cause poor detection capability and nuisance trips.
- ✓ Digital touch screen operation provides easy to use menus.
- ✓ Integral control cabinet simplifies installation, (remote cabinet available if required).



Protector HD

Metal Detector

TECHNICAL DATA

PROTECTOR HD TECHNOLOGY

Acculearn™ Technology

Materials produced by quarry & mining operations require specific detector settings in order to achieve maximum performance. The Protector HD can be set for a specific size target metal. In this way, optimum performance is ensured and the risk of false rejects and production downtime is eliminated.

Protector digital technology makes it easy to program for the tramp metal you need to detect.

Password Protection

Two levels of selectable passwords:

- Operator level, to change product set-up mode
- Engineering level, to access factory set-up parameters

Heavy Duty Construction

Armored Chassis with 3/16" and 1/4" mild steel plate provides long term repair-free service.

Aperture Sizes

A full range of aperture sizes are available depending on application. Aperture size fits belt widths up to 120".

Electronic Features

The Protector electronics have the following features:

- Two channel operation for precise detection
- Digital processing and filtering to eliminate interference
- Intuitive 4.5" color touchscreen interface for ease of use
- Auto Balanced coils
- Data retention when power is disrupted or disconnected
- Capability to detect tramp metal through highly conductive material
- Patented vibration protection technology



SPECIFICATIONS

Optional Accessories

Detect light and horn, belt splice sensor, metal marking kits (flag drop and spray marker)

Reject Timer Options

Divert gate functions are carried out under microprocessor control and are all set from the touchscreen display

PLC Outputs

Voltage-free relay contacts rating 240V, 3A

Power Supply

Protector power supply 110VAC 30VA max, single phase. NEMA 4 enclosure.

Operating Environment

Temperature: -28°C to 49°C / -20°F to 120°F

Control Cabinet Heater Available

For 40°F and below

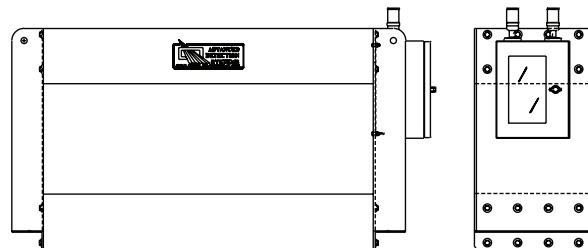
Standard integral cabinet or option remote display cabinet

Product Throughput Rates

Protector technology accommodates a wide range of throughput rates and belt speeds with proven reliable performance

Installation

Can be installed over existing belts by removing end plate. Shipped completely assembled and ready for installation



CONTACT US TODAY TO DISCUSS YOUR APPLICATION

Milwaukee, Wisconsin USA • (414) 672-0553 • sales@adsdetection.com • www.adsdetection.com