



ADVANCED DETECTION SYSTEMS®

PROTECTOR HD *ULTRA* METAL DETECTOR

DETECTS LITHIUM BATTERIES, FERROUS, NON-FERROUS, AND STAINLESS STEEL METALS



Easy to Use
STATE-OF-THE-ART
ELECTRONICS

Dependable
HEAVY DUTY
CONSTRUCTION

**Ultra's detection level
is 2x better than the
standard Protector HD**



DESIGNED TO PROVIDE ENHANCED METAL DETECTION LEVELS

The Protector HD Ultra, a heavy-duty industrial grade metal detector is used when an extra level of metal detection performance is required to defend processing equipment, detect fire hazards (such as lithium batteries) and ensure product purity. Each Protector HD Ultra is built to your application specifications and sized to meet your specific needs. Advanced Detection Systems' proprietary AccuLearn software, built into every unit, can automatically adjust the detector's sensitivity based on your product's characteristics and detection level requirement.

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 power fluctuations, radiated noise and system vibration. In addition, Advanced Detection Systems developed patented state-of-the-art electronics that provide easy setup in the most demanding locations; meeting your processing needs and reliably detecting metal contaminants.

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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MADE IN USA

PROTECTOR HD **ULTRA** METAL DETECTOR

DETECTS LITHIUM BATTERIES, FERROUS, NON-FERROUS, AND STAINLESS STEEL METALS

Ensures Product Purity and Detects Safety Hazards



AccuLearn Technology

Quickly learns product characteristics and establishes the ideal detector sensitivity



Custom Sizing

Get a Protector HD Ultra 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

Prompt response to customer 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

ENHANCED DETECTION LEVELS

Protector HD Ultra is designed to detect lithium batteries before they become a fire hazard. Contact an Advanced Detection Systems metal detection expert to arrange free product testing for your specific application.

SURROUNDSCAN TECHNOLOGY

- Acculearn Technology:
 - Allows automatic adjustment of detector sensitivity settings without operator input
- Product Monitor:
 - Easily programmed to detect specific sized contaminants
- Adjustable RF Protection:
 - Ensures reliable performance in the presence of radiated noise and electrical power fluctuations

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

OPTIONAL ACCESSORIES

- Control cabinet heater: for 40°F/4°C and below
- Remote control enclosure



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*A Sister Company of
 **Dings magnetic group**