



ADVANCED DETECTION SYSTEMS

ProScan Series Metal Detector



- ♦ Ideal for packaged, bulk powder and liquid applications.
- ♦ Patented state-of-the-art electronics provide easy setup in wet, dry and virtually all conductive products.
- ♦ The ProScan Series metal detector is custom designed and manufactured to your exact specifications. Our unique design has years of proven results.
- ♦ The IP69K rated washdown design is the best in the industry and preferred by meat, seafood and poultry processors.

Metal Detection

The best patented technology available today. Proven inspection that finds the metal before it leaves the factory. Manufactured in the USA, Advanced Detection Systems provides quick delivery time and support from experts that know the rigors and demands of the marketplace.

Experienced Engineering

Design engineers that know the demands of your application. Regardless of how small or how complicated, Advanced Detection Systems is capable of custom designing and manufacturing each system to your exact specification. A truly unique approach to solving the strictest detection requirements.

Aftermarket Support

Long after the system delivery, you can count on service unmatched in the industry. Advanced Detection Systems offers responsive field service, training classes, upgrades, service contracts and compliance audits.

Free Product Testing

Send us your product and we will report the sensitivity results and back them with a written guarantee.

FOR OVER 25 YEARS, Advanced Detection Systems has been providing metal detectors for food processing, packaging, pharmaceutical, nutraceutical and industrial applications.

THE PROSCAN TECHNOLOGY

inspects all types of products in a wide range of applications including packaged conveyORIZED food products, bulk powder, granular materials, liquids, pastes, slurries and jams. Having metal detectors in your production process enables complete satisfaction of HACCP, AIB, USDA and other food safety and regulatory compliances.

ADVANCED DETECTION SYSTEMS

metal detectors are perfectly manufactured so each system is immune to the effects of electrical interference, vibration, case flexing and case shock from being used in freezers or other cold environments. The result is performance reliability that meets your production line demands.

Capable of detecting all types of metals with aperture heights designed to fit any application. Packed with proven advanced technology, the ProScan Series is equipped with product memory, **Acculearn** automatic learn function and multilevel password protection for added security and peace of mind.



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CONTACT US TODAY TO DISCUSS YOUR APPLICATION

ProScan Series

Proven Results

TECHNICAL DATA

PROSCAN TECHNOLOGY

Automatic Set-up and Acculearn Technology

Conductive products e.g. poultry, meat, cheese, bakery, metallized film, require specific settings in order to achieve maximum performance. The ProScan has the ability to store up to 100 product menus in its memory. In this way, optimum performance is ensured and the risk of products being falsely rejected is reduced.

ProScan **Acculearn** technology learns product effect precisely in as few as two passes. The **Acculearn** technology continuously updates product effect compensation to eliminate false trips caused by product variability ensuring optimum sensitivity.

Security Codes

Three levels of selectable security codes are provided:

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

CONSTRUCTION

Advanced Detection Systems unique head design keeps water out and is reliable in the harshest production environments.

IP69K / NEMA 4X

Stainless steel

Aperture Sizes

A full range of aperture sizes is available depending on application. Aperture size is built to each application.

ELECTRONICS FEATURES

The ProScan detector electronics have the following features:

- State-of-the-art sensitivity performance
- Patented vibration protection technology
- Digital filters to eliminate excess noise
- Digital control and processing with two channel detection
- Automatic product compensation set-up in as few as two passes
- Data retention when power is disrupted or disconnected
- Intuitive color touchscreen operator interface for ease of use
- Advanced Z-Tech power supply

SPECIFICATIONS

Sensitivity

Advanced Detection Systems will test your product and provide a report with **guaranteed results**

Reject Options

Advanced Detection Systems offers a complete range of reject mechanisms to suit all applications. Belt stop standard with each system.

Reject Timer Options

Reject timer functions are carried out under microprocessor control and are all set from the touchscreen display

Product Throughput Speeds

ProScan technology accommodates a wide range of throughput rates with proven reliable performance

Outputs

Voltage-free relay contacts rating 240V, 3A

Power Supply

ProScan power supply 95-264VAC 30VA max, single phase

Operating Environment

Temperature: 0° to 45°C / 32° to 113°F
(lower operating temperatures available)

Humidity

Up to 95% RH

Conveyor, Pipeline, and Gravity Drop Stands

A wide variety of conveying systems can be custom-designed to all applications. All systems are constructed with heavy duty 11 gauge 304 stainless steel tubing



Conveyor Mount Systems



Pipeline Systems with Diverter



Gravity Drop Systems with Diverter