

# FORTRESS PHANTOM<sup>®</sup>

## Gravity Metal Detector



## Fortress PHANTOM Series Gravity Metal Detector

Simple  
Operation

Outstanding  
Reliability

Exceptional  
Performance

### The PHANTOM Series Advantage

The unique Fortress Phantom Gravity Metal Detector utilises the latest Digital Signal Processing technology to detect and reject ferrous and non-ferrous metals, including stainless steel. With the highest processing power, Phantom systems are renowned for their superior speed, accuracy and ease-of-use.

### Applications

Flour, Rice, Cereals, Powders, Corn,  
Sugar, Chemicals, Nuts

### Overview

The Phantom Gravity Metal Detector is ideally suited for inline inspection of dry, powder or granular products that can be gravity fed through a pipe from a processing machine.

Available in Painted Aluminum or Stainless Steel with a selection of several aperture sizes, the Gravity detector is built with Anti-Static UHMW Pipes, Air Control, and a Ceiling Support Frame. An automatic Reject Valve can be incorporated into the system to remove contaminated product from the flow. Additionally, a test ball retrieval drawer is offered, allowing for ease of manual testing.

### Key Technologies

#### Core DSP

Unparalleled Precision

#### UltraSense

Ultra Sensitive Detection

#### AutoTest

Self Diagnostics Testing

#### AutoCal

System Set-Up in Seconds

## ADVANCED PHANTOM FEATURES

<b>Core DSP</b>	Digital Signal Processing (DSP) technology provides unparalleled precision, speed, and detection results
<b>UltraSense</b>	Maintains high sensitivity levels to detect the smallest metal contaminants
<b>AutoTest</b>	Auto Test ensures consistent performance and saves costs
<b>AutoCal</b>	Automatic Calibration at the touch of a button
<b>Intuitive User Interface</b>	Provides dedicated shortcut keys
<b>Flash RAM</b>	Flash Memory technology prevents information loss
<b>Modular Design</b>	Fewer product parts results in greater reliability

## CONTROL OPTIONS

<b>Integrated Panel</b>	Control Panel is built into the detector
<b>Remote Mounting</b>	Display Panel terminal can be mounted remotely
<b>Multiple Detector Control</b>	One display panel can operate a number of detectors
<b>Portable Display Terminal</b>	Display terminal can be utilized as a portable device

## GRAVITY OPTIONS

<b>Aperture Type</b>	Round or rectangular – standard and custom
<b>Diverter Valve Reject System</b>	Flap-gate or Cowbell
<b>Floor Stands</b>	Support frame for easy installation, ceiling or floor mount
<b>Reject Confirmation</b>	Confirms proper valve operation upon rejection
<b>Test Ball Retrieval Drawer</b>	Allows for ease of manual testing
<b>Alarm</b>	Audible Alarm / Visual Alarm Beacon
<b>Air Failsafe System</b>	Diverts system to reject on loss of power or loss of air

## SPECIFICATIONS

<b>Construction</b>	Detector: Aluminum epoxy painted or Stainless Steel Valve: All Stainless Steel
<b>Standard Pipe Diameters</b>	3" / 6" / 8" (75 / 150 / 200 mm)* * custom sizes available
<b>Rating</b>	NEMA 4** / IP65 (HAZLOC – Class 2, Div1 & 2 available) ** upgradeable to NEMA 4X / IP69K
<b>Remote Control Range</b>	Up to 4000 ft / 1,200 m
<b>Air</b>	80 psi (4-5 bar)
<b>Electrical</b>	90-250v single phase, 1 amp
<b>Communications</b>	RS485, Optional: Ethernet / Wireless, via CONTACT Software



Make your Phantom metal detector a Critical Control Point with CONTACT Communication Software

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