

# FORTRESS PHANTOM<sup>®</sup>

## Vent Tube Metal Detector



### Fortress PHANTOM Series Vent Tube Metal Detector

**Simple**  
Operation

**Outstanding**  
Reliability

**Exceptional**  
Performance

### The PHANTOM Series Advantage

The unique Fortress Phantom Vent Tube 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

Glass bottles, Plastic (PET) bottles

### Overview

The Phantom Vent Tube metal detector is utilized in bottling applications to detect and track a fallen vent tube nozzle. The system easily integrates into existing bottle-processing lines, retrofitting where a conventional detector cannot be installed.

The product under test is conveyed through the existing conveyor system which travels through the sensing area of the detector head. The Vent Tube detector is capable of detecting and rejecting ferrous, non-ferrous and non magnetic stainless steel in filled plastic or glass bottles of up to 3 ltrs.

Constructed with a fully stainless steel case enclosed for washdown purposes, the Vent Tube detector is built rugged to handle the most stringent applications.

FORTRESS  
Technology

### 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>Remote Mounting</b>	Display Panel terminal can be mounted remotely
<b>Multiple Detector Control</b>	One display panel can operate a number of detectors

## ADVANCED VENT TUBE FEATURES

<b>Retrofit Design</b>	Ideally suited for integration into existing bottling lines
<b>Rugged Construction</b>	Stainless Steel (304) casing is enclosed for wash-down
<b>Reject Relay</b>	Signal outputs to PLC or filler monitoring system for line control
<b>System Integration</b>	Links into existing fill level and monitoring equipment
<b>Conveyor Compatibility</b>	Suitable for use with plastic and stainless slat conveyors
<b>Versatile Inspection</b>	Inspection of 33cl capped glass bottles and PET bottles up to 3 ltr size

## SPECIFICATIONS

<b>Construction</b>	Stainless Steel (304)
<b>Inspection Surface</b>	180 mm (w) x 250 mm (h)
<b>Detection output</b>	Isolated O/P 0-250v AC/DC
<b>Bottle Size</b>	Up to 3 ltr
<b>Remote Control Range</b>	Up to 4000 ft / 1,200 m
<b>Electrical</b>	90-250v single phase, 1 amp
<b>Rating</b>	IP69K / Nema 4X
<b>Communications</b>	RS485, optional Ethernet box for connection to CONTACT



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

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