

## PowerPhasePLUS RB Metal Detection Systems



### Easy to Operate

Built on the well proven PowerPhase software platform, operation is quick and easy through a robust, menu-driven membrane key pad.



### Conveyor Integration

Suitable for integration with a wide range of standard conveyor systems enabling automated in-line inspection.



### Highest Levels of Sensitivity

Unrivaled levels of sensitivity on bulk products including bags, sacks, cartons and loose bulk products.

### Inspection of Bulk Products

Safeline's PowerPhasePLUS RB Metal Detector is designed for easy integration into bulk processing and packaging lines. Detector heads incorporate advanced technology to deliver the highest in-line metal detection performance available. When integrated with a conveyor system, bulk product inspection can be fully automated.

Operation is made simple through a menu-driven interface built on the industry proven PowerPhase software platform. Even difficult to detect non-magnetic stainless steel and fine wire contaminants can be readily detected in a wide range of bulk products.

PowerPhasePLUS RB detector heads are particularly well suited to inspecting 55lb. – 110lb. bulk bags, but are equally capable of inspecting any dry, wet, loose or packed bulk product.

## PowerPhasePLUS RB Metal Detector System

- **Maximum sensitivity and stability**
- **Detector and system validation function**
- **Single and dual frequency options**
- **Choice of sealing standards and finishes**
- **Data collection & network connectivity**

**Maximum Sensitivity and Stability** - The use of SAFELINE'S high frequency detection coil technology combined with new enhanced filtering techniques delivers unparalleled on-line sensitivity in a wide range of applications. All metal types are detectable, including the normally difficult to detect non-magnetic stainless steel and non-spherical contaminants such as wire and swarf.

Typical detection levels for non-magnetic stainless steel in dry product is less than 1.8mm and improvements in the range of 20% are attainable on some wet products compared with conventional metal detection technology.\*

The advanced coil design, head geometry and sophisticated PowerPhase electronics platform also provide exceptional levels of stability in demanding environments, minimizing the possibility of rejecting good product.

**Detector and System Validation Function** - PowerPhasePLUS RB detectors include performance validation software routines in line with the requirements of major retailers, HACCP and GMP. The metal detector will indicate when scheduled testing is due and assist QA staff by guiding them through a step by step test procedure.

**Single and Dual Frequency Options** - Designed with flexibility and the future in mind, basic single frequency models are available to cover the inspection of a range of similar products. However, frequent changes in manufactured product type may demand that dual frequency models are utilized for maximum flexibility. Detectors of this type can cope with the inspection of significantly different products and/or packaging types providing a truly state-of-the-art metal detection solution.

**Choice of Sealing Standards and Finishes** - The PowerPhasePLUS RB is available in a range of sealing standards and finishes to suit all manufacturing environments. Sealing standards are available from NEMA 12 for dry, non-aggressive plant conditions through to NEMA 4X for harsh, heavy wash-down environments. Standard case construction and finishes include bead-blasted stainless steel and white-painted aluminum. Other finishes are available on request.

**Data Collection & Network Connectivity** - The PowerPhasePLUS RB has an optional Ethernet adapter within the electronics platform to provide real-time data to all leading data collection and factory management systems. This information can be used for remote setting and process analysis, signalling of events/warnings, and for providing valuable data for use in traceability, records of testing and proof of due diligence.

\*Sensitivity data is given as general guide.  
Actual sensitivity may be dependent on product.

**Safeline - making your products safer.**

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