

PowerPhase Metal Detection



User Friendly Interface

The washdown rated control panel (IP69K; exceeds NEMA 4X) is easily understood and is designed to simplify operations.



Interference Protection

Our unique Faraday Screen filters out certain signals and unwanted frequencies that can interfere with normal plant operations such as two way radio communication.

Product inspection for processing & packaging lines.

Designed for seamless integration into food production lines, the PowerPhase digital metal detectors protect products from stainless, ferrous and non-ferrous metal contamination.

All PowerPhase models incorporate sophisticated digital signal processing techniques that measure and cancel out the electronic profile of a product, thereby eliminating false rejects.

Safeline PowerPhase metal detectors are ideally suited for use in harsh, washdown environments where sanitation is a primary concern.

PowerPhase Metal Detector

- **PowerPhase Protection for Ultimate Sensitivity**
- **Ultra-high Frequency**
- **Vibration Immunity**

Improved Sensitivity - If you are currently using a metal detector, performing validation checks and finding only occasional rejects, you may feel secure that your detector is functioning properly and that your product is metal free. Yet there may still be a risk due to a phenomenon known as the Orientation Effect, that could allow dangerously large pieces of stainless steel shards, slivers and swarf to pass through your detector without notice.

PowerPhase metal detectors are built with a unique coil design and specialized digital signal processing electronics that ensure unrivaled sensitivity to stainless steel swarf contamination, eliminating this threat to your product's safety. A newly developed 'Faraday Screen' has been designed and incorporated into the system. This screen is highly effective at eliminating the electromagnetic interference that can cause false rejects.

PowerPhase Metal Detector Specifications

Construction	Stainless steel 304 bead blast finish or white-painted steel
Protection Rating	Stainless Unit: IP69K; exceeds NEMA 4X Painted Unit: IP54; NEMA 13
Electrical Supply	110 to 240 V ac 1ph
Approvals	UL: UL 61010B-1 2nd Ed. CE: LVD EN61010 2nd Ed. EMC Emissions: BS EN 61000-6-3 Immunity BS EN 61000-6-2:2002 CSA : c22.2 no. 61010-1 2nd Ed.
Manufacturing	ISO 9001:2000
User Interface	Membrane key pad and LCD/LED display
Connectivity	Two RS232 compatible serial ports
Description	High performance 2 frequency detection in wet or dry environments

Safeline - making your products safer.

Mettler-Toledo Safeline

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