



Micro Processor Control Metal Detector

Series: MPC-MD

Model Shown MPC-MD

The MPC-MD is an integrated metal detector with reject mechanism, designed for use in free flowing gravity systems. The micro processor controls and the three coil system ensures accuracy, sensitivity, and trouble free operation. The unit is designed for gravity systems with openings from 1" to 12".



Applications: MPI's MICRO PROCESSOR CONTROL METAL DETECTOR (MPC-MD series) Metal Detectors offer an economical alternative to DSP technology. These (3) coil systems utilize high quality micro processor controls for bulk material gravity process lines. Signal balance, frequency and noise controls provide stable performance to eliminate undesired signals that can cause false rejects. Options include features to enhance audible and/or visual system reject incident notice to process line operators.

Operation:

- Maintenance free digitalized circuitry ensures many years of reliable performance.
- Extra sturdy sensor construction is designed to operate in extreme applications.
- Large sensor housings shield the device effectively against electromagnetic interference and concentrates the measuring field in the sensor coil.

Standard Features:

- Digital balance control keeps the probe coil always at the optimum working point.
- Digital frequency control guarantees constantly stable coil frequencies and phases.
- Digital noise filters eliminate undesired signals.
- Multi-channel technology for an optimum recognition of all metals.
- Unit is in an aluminum enclosure
- NEMA 4 control box
- Three coil system with coils completely sealed in epoxy
- Integral sensitivity & reject timing controls
- Automatic Balancing
- Adjustable sensitivity and reject timing

Options:

- Audible reject alarm
- Visual reject beacon
- Test Ball access door & retrieval gate

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