



PMG DIGITAL TABLET METAL DETECTOR

PMG Digit-75



PMG has been in the business of supplying highly sensitive metal detectors for pharmaceutical companies for the past two decades. Understanding the requirements of the customer and tailor making to meet the needs has been the core competency of the company. This detector can be counted as one of the best available today for meeting the challenges in detecting the finest metal contaminant.

PMG TABLET METAL DETECTOR is designed to detect and remove very small metal contaminants of ferrous, nonferrous and stainless steel. This metal contaminant sometimes enters the product stream from deteriorating processes equipment like the worn sieve wires or splintered dies etc. The metal contaminant tablets as it passes through the tunnel of the metal detector, it detects and automatically diverts it without production interruption from a stream of tablets or capsules. The detector works on balanced coil principles. A metal contaminant tablet changes the high frequency field within the detector coil, which in turn activates a rejection flap by means of a solenoid. The metal contaminant tablet is reliably rejected with very little loss of material due to the extremely fast and short activated rejection flap. The Tablet metal detector chute can be quickly and easily disassembled for routine cleaning and product changeover. This conforms to the Standard operating procedure to maintain the GMP requirements of the pharmaceutical industry. PMG Tablet metal detector can be integrated with all types of Tablet compression machine and de dusting systems. The detectors operating height and angle can be adjusted to meet the requirements. The tablet metal detector is provided with lockable caster wheels for easy mobility.



Analog Tablet Metal Detector – PMGATMD-75

Features

- ▶ Automatic Balance Principle
- ▶ Manual set up for sensitivity and other parameters through potentiometers
- ▶ Easy to install and operate.
- ▶ LED Bar graph provided to display continuously the status of coils
- ▶ Easy changeable Electronic Module.
- ▶ Special training is not required for operation
- ▶ Stability in performance
- ▶ Stainless steel finish
- ▶ Easy to disassemble and clean
- ▶ GMP design.
- ▶ Solid –state relays for arc free switching
- ▶ Quick recovery after detection of metal contaminant
- ▶ Detection and rejection delay timer.
- ▶ Detection counters (Optional with separate unit)
- ▶ Low power consumption.





Technical specifications

- ▶ Electrical supply : 230V AC single phase with earth; 50Hz
- ▶ Rejection mechanism : 195VDC electrical rotary solenoid
- ▶ Relative Humidity : 20% to 80% non-condensing
- ▶ Current consumption : Max 0.75 Amps
- ▶ Outputs : 01 No. PFC relay changeover 5A Rating.
- ▶ Operating Temperature : -5o C to + 60o C
- ▶ Communication port : Configurable: RS 232 / RS 485 or serial / parallel printer port.
- ▶ Continuous Auto test : Yes
- ▶ Construction : Stainless steel 316
- ▶ Reject confirmation : Yes
- ▶ Sensitivity : 0.15mm ferrous and 0.25mm Nonferrous and stainless steel
- ▶ Aperture size : 75mm width and 25mm Height
- ▶ Product speed : Upto 10,000 tablets per minute.



Features

- Automatic balance principle
- There are 8 Keys Membrane Touch Panel.
- Password protected against unauthorized use.
- Continuous Auto Check
- LED bar graph provided to display continuously status of coils
- Ability to store data and with time.
- 25 Product Memories.
- 20 Characters X 4 Lines LCD.
- High visible display
- Keypad entry for easy operator interface.
- Easy to disassemble for easy cleaning.
- Solid-state relays for arc free switching
- Quick recovery after the detection of metal contaminant
- Rejection confirmation (Optional)





Key Pad set up

The setup mode is a touch panel membrane keypad. It is simple, user friendly, easy to operate, menu driven and requires minimum operator training.

Password protected Access

The unit is protected with a password. This will help in avoiding tampering with the settings by the operators. Separate levels of access are provided for making changes.

Product storage memory

There is provision to store data of 25 products. The product with its name, sensitivity, rejection time with corresponding to real time can be retrieved when required.

Auto test validation

There is provision provided to set the self test of the equipment. The Tablet metal detector during the self test mode will automatically check for its performance. The frequency of the self test can be fixed from a minute to 999 minutes in real time. The results are documented in real time.

Compatibility with External Port:

This function allows the detector to transmit data related to equipment using and Rs 485 or RS 232 interface (Optional).



Technical Specifications

Technical Specifications	Model: PMGATMD -75	Model: PMG Digit -75
Electrical Supply	230 V AC single phase with earth; 50 Hz	230 V AC single phase with earth; 50 Hz
Rejection Mechanism	195VDC Electrical Rotary Solenoid	Pneumatic / Electrical Solenoid
Relative Humidity	20% to 80% non-condensing	20% to 80% non-condensing
Current consumption	Max 0.75 A	Max 0.75 A
Outputs	01 No.PFC relay Changeover. 5A Rating. (Optional)	01 No. PFC relay Changeover.5A Rating.
Operating Temperature	-100C to + 750C	-50C to +600C
Communication Port	Not Available	Configurable: RS232 /RS 485 or Serial / Parallel Printer Port.
Continuous AutoTest	Not Available	Yes
Construction	Stainless steel 316	Stainless steel 316
Reject Confirmation	Not Available	Yes
Sensitivity	0.15mm Ferrous and 0.25mm Non Ferrous & Stainless Steel	0.15mm Ferrous and 0.25mm Non Ferrous & Stainless Steel
Aperture Size	75mm Width and 25mm Height	75mm Width and 25mm Height
Product Flow Rate	Up to 10,000 Tablets per Minute	Up to 10,000 Tablets per Minute

