ELEKTRONIK SYSTEM
Piotr Cieśliński
ul. Ustronna 14
89-606 Charzykowy

+48 608 34 34 34
www.detektorymetali.com

TUBE GRAVITY METAL DETECTOR

► The tube gravity metal detector is designed for testing dry, fine, free-flowing non-crystallized products tested by gravity.

► What sets us apart:
- 10-year warranty on the metal detector probe,
- unparalleled non-contactautosensing system,
- built-in auto-calibration system - no periodic maintenance required,
- FROST" system,
- high level of detection and stability of the device's operation.

► The inner passage insert can be removable for cleaning.

Model	ELEKTRON-MD		
Working diameter of the through pipe [mm]	Ø 100	Ø 150	Ø 200
Detection level [mm] — Fe	≤ Ø 0,8	≤ Ø 1,0	≤ Ø 1,2
Detection level [mm] — NoFe	≤ Ø 1,2	≤ Ø 1,5	≤ Ø 2,0
Detection level [mm] — St/st	≤ Ø 1,5	≤ Ø 2,0	≤ Ø 2,5
Control panel	HMI touch screen (analog buttons optional)		
Memory function	for 100 different products		
Type of control panel cover	Made of polycarbonate (optionally made of stainless steel)		
Pollution detection signaling	Optical-acoustic alarm, NO/NC		
Power	230V		
Working temperature	0-45°C		
Working humidity	80% non-condensed water vapor		

SPECIFICATION

- Easy-to-read touchscreen.
- Optical-acoustic alarm, NO/NC output to stopping another machine or conveyor belt.
- Detects metals such as iron, copper, aluminum, stainless steel.
- Automatic separator.
- Working pressure of the separator 5-7 Atm.
- USB output for reading and archiving data.
- Very high sensitivity and work stability.
- Intuitive operation.
- Detection history, date and time.

AUTO LEARNING SYSTEM

The **ELEKTRON**-**MD** series of detectors has a unique the **self-learning system** ticked in other detectors in passing. Self-learning system analyzes the tested product and automatically saves the detection parameters (e.g. the influence of the product and ambient background). Control detector the conveyor automatically moves the product through the detection probe window back and forth until graduation. This solution makes your work easier especially with heavy products. Thanks to this learning is much more accurate without interruption and also increases the level of detection and stability metal detector operation.
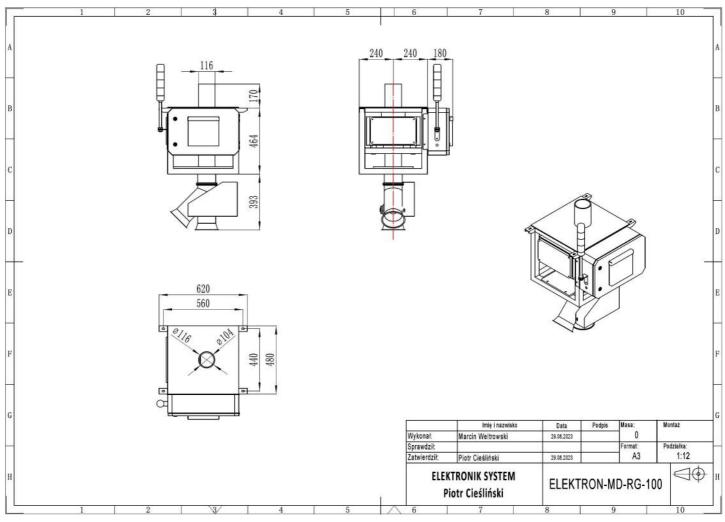
AUTOCALIBRATION SYSTEM

Metal detectors of our production have built-in **auto-calibration system**, thanks to which devices do not require constant inspections service. The detection system accurately oscillates at the frequency of the test substance, he himself has variable values. management system, it is designed so that with each disconnecting the detector from the mains for about 15 minutes automatically performed background analysis and same system calibration after reboot.

"FROST" SYSTEM

Our metal detectors can be equipped with unheard of in other detectors, the **system "FROST"** with a built-in intelligent heating and thermostat, inside the panel control that protects internal systems electronics against moisture and cold. Is it the only protection against abrupt changes temperatures during washing and protects against absorption of moisture inwards (e.g. cold machine washed with hot water).

TECHNICAL DRAWING ELEKTRON-MD-100RGS

	Imię i nazwisko	Data	Podpis	Masa:	Montaż
Wykonał:	Marcin Weltrowski	29.08.2023		0	
Sprawdził:				Format:	Podziałka:
Zatwierdził:	Piotr Cieśliński	29.08.2023		A3	1:12

ELEKTRONIK SYSTEM
Piotr Cieśliński

ELEKTRON-MD-RG-100