



ELEKTRON SYSTEM

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TUBE PRESSURE METAL DETECTORS

- Detector designed for testing dense masses and liquids under pressure such as stuffing, meat mince, sausages, fish mince, jams, sauces, ketchups. Most commonly used between the stuffing machine and the clipping machine.
- What sets us apart:
 - 10-year warranty on the metal detector probe,
 - unparalleled non-contact autosensing system,
 - built-in auto-calibration system - no periodic maintenance required,
 - "FROST" system,
 - high level of detection and stability of the device's operation.
- The rapid contaminated product separator is a three-way pneumatic valve that rejects only a small amount of product with the contamination. The response time is 1 s.
- A metal detector equipped with a sight glass that allows the contamination tester to be placed inside the pipeline ensuring the highest reliability of the test.



Model		ELEKTRON-MD		
Working diameter of the through tube		Ø 50 mm	Ø 63 mm	Ø 80 mm
Detection level	Fe	≤ Ø 0.6 mm	≤ Ø 0.7 mm	≤ Ø 0.8 mm
	NoFe	≤ Ø 0.8 mm	≤ Ø 1.0 mm	≤ Ø 1.2 mm
	St/st	≤ Ø 1.0 mm	≤ Ø 1.2 mm	≤ Ø 1.5 mm
Control panel		HMI touch screen		
Memory function		For 100 different products		
Type of control panel cover		Made of polycarbonate (optionally in stainless steel)		
Pollution detection signaling		Optical and acoustic alarm		
Standard working height		1030 mm (+/- 50 mm)		
Power		230 V		
Working temperature		0-45°C		

SPECIFICATION

- Frame structure for adaptation in the process production.
- Easy and quick system of connecting pipes on clamps quick assembly.
- Very high sensitivity and work stability.
- Easy-to-read touchscreen.
- Intuitive operation.
- Optical-acoustic alarm, NO/NC output to stopping another machine or conveyor belt.
- Detects all types of metal such as copper iron, aluminum, stainless steel, etc.
- USB output for reading and archiving data.
- 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 OF ELEKTRON-MD-RC-S-63.5

