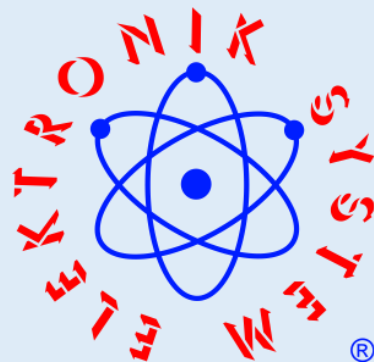


# INDUSTRIAL METAL DETECTOR

## ELEKTRON-NMD-12020



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## APPLICATION

**ELEKTRON-NMD-12020** it is equipped with an automatic transport system controlled by a detector.

Detector **ELEKTRON-NMD-12020** he is extremely sensitive. The data processing system is based on a 32-bit CPU RISC operating system.

Detection of metal shards, Fe needles inside products in the knitting industry, production of mattresses, duvets, pillow covers, clothes, rubber products, etc.

## SPECIFICATION

- Model ELEKTRON-NMD-12020
- Detection working height ~ 160mm
- Working width of detection ~ 1200mm
- Transporter length ~ 2500mm
- Detection method: electromagnetic induction.
- Detection sensitivity: needle Ø 0.8mm long 10mm
- Spherical iron Fe tester 1.2 - 1.5 - 2.0 mm ferromagnetic and larger derivatives.
- Regulation and programming of MAX 128 pulses / zone.
- Conveyor belt speed constant: 25m / min or adjustable.
- Power supply - AC 230V +/- 10%
- Power consumption: from 140W
- Dimension 2500mm (L) \* 1800mm (W) \* 1300mm (H)
- Weight 370Kg

Alarm method:

1. LED optical-acoustic indicator.
2. Stop and reverse the belt.
3. Pollution zone indicator

## MAIN FEATURES

- The detector is extremely sensitive.
- Data processing system based on a 32-bit CPU RISC operating system.
- Control based on the latest technology. Liquid crystal display with a touch screen.
- Built-in detection zone indicator enables precise location of contamination in the form of, for example, needle fragments or other ferromagnetic metals.
- It has the ability to individually adjust the sensitivity for each zone, which enables automatic detection of single and mass pollutants.
- Event reporting system on the RS-232 interface to the printer (included).
- Automatic learning of the tested product with external background analysis. This system as much as possible eliminates the influence of the product and the environment on the stability of work.
- Alarm - optical and acoustic signaling, with the possibility of stopping the tape.
- optional retraction of the belt with the product.
- Touch panel, friendly and easy to use all functions in the form of described icons.
- Menu in Polish and English.

# DIRECTION OF WORKING OF THE TRANSPORTING BELT

Photoelectric sensors at the entry and exit of metal detector transporter  
: NO/NC contacts available from sensors for control of production line

