

OSC 483FO102 Metal Detectors for Conveyers



<Feature>

- It is determined for the detection of the foreign metal bodies in the fined material (e.g. waste wood, chopped wood etc.) moving on the non-metallic conveyer belt and for sending the command (relay action) for stoppage of the conveyer if the metal body has been detected.
- Metal detector operation mode is dynamic, the metal body must move in relation to sensitive coil of the detector. The effect from immobile metal bodies will be compensated by the detector. Metal detector is an universal detector, it detects both the black and coloured metals.
- Metal detector includes three separate blocks connected with each other by cables with plug-and-socket connections: sheet block with sensor, electronic block and additional block for detection signal duplicating. The sheet block with sensor is fixed under the conveyer belt. The prerequisite is that there should not be any object with large metal area nearby. The electronic unit and the additional block for detection signal duplicating are fixed on the suitable for the operator places on the walls.

<Specifications>

| Model | OSC 483FO 102 |
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| Sensor dimensions (W x H x D mm) | Approx 900 x 700 x 20 |
| Length of the cable connecting sensor and electronic block (m) | 3m |
| Detection width of equal sensitivity (mm) | 550 mm |
| Recommended speed of the conveyer belt | 0.7 ~ 1.2m/s |
| Power supply | 220 ~ 250VAC, 50Hz |
| Capacity consumption | 10W |
| Detection signal | Sound and light + output relay |
| Output replay contacts parameters | Voltage (max): 250VAC, Current (max): 6A |
| Dimensions (W x H x D mm); | |
| -Sheet block with sensor | Approx 900 x 700 x 50 |
| -Electronic block | Approx 370 x 220 x 140 |
| -Additional block | Approx 82 x 80 x 50 |