



SERIES 310C ENHANCED RANGE PULSE INDUCTION DETECTORS

DETECTS INDIVIDUAL BARS AND TUBES AT EXTENDED RANGE

- Coils can mount within protective steel enclosure
- Detects bar and Tube at 80 mm range regardless of size
- Controller with Coaxial connection can mount 30 mtrs from coil
- Detectors available in PTFE for High temperature use

These Series 310C Metal Detectors operate by generating a pulsed flux and monitoring its rate of collapse when the metal bar passes overhead.

This method of detection provides 3 times the range of Inductive Sensors. In addition the Detector coils may mount closely surrounded by metalwork or secured within protective steel enclosure. Furthermore, as the coil windings are PTFE insulated can be used where the product relatively hot.

The detector coils are provided in ABS plastic cases or PTFE coil plates with glanded cable connection. Changes in ambient do not influence operating range.

These Detectors are the ideal solution where the user needs to detect individual bars and tubes at substantial range where Inductive sensors are inadequate. Also can be mounted within protective metal enclosure. Sensitivity levels are a factor of product size and profile. Quotations are put forward which specify expected sensitivity and range



MD2195 Detector

MD2180 Detector



Controller -Isolating mounting plate not shown

Controller Features:

- Auto Zero button provided
- Volt free relay output
- Voltmeter shows zero drift
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Detector Features:

- Mount close within metalwork
- Up to 40 mtrs of coax connection
- Not effected by changing ambient
- Detectors available made from PTFE for high temp. usage

SERIES 300 CONTROLLER SPECIFICATIONS

Housing: Painted aluminium, IP65 sealed enclosure
200mm H X 120mm W X 60mm H.
Provided on isolating plastic mounting plate

Electrical: 24VDC supply with 5 Amp 30VDC/250VAC c/o relay output .

Internal terminal strip via two cable glands

Switches: Reset button

Indicators: Power and Function Indicator with signal monitoring meter

Coil cable: Armored silicone or PTFE cable option of 2 mtrs. Standard coaxial cable 5 m trs. Local extension to 30 mtrs possible.

Adjusters Zero and gain adjustment.

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