



### 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 bar passes.

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 Individual bars, sections or tubes must be detected at substantial range where Inductive sensors are inadequate. Sensitivity levels are a factor of product size and profile. Quotations are put forward which specify expected sensitivity and range.



MD2195 Detector

MD2180 Detector

**Typical detect 100mm section and bar at 120 mm to 150mm**

#### Controller Features:

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

#### Detector Features:

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



Controller

#### SERIES 310 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.

**MODULOC CONTROLS - BUILT TO LAST - MODULOC CONTROLS - BUILT TO LAST**

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