

# FCS-8331/8332

## junction boxes

The FCS-8331/2 Process JBs are suitable for Zone 2 and Zone 1 intrinsically safe (Ex i) applications. The FCS-8331 is designed for mounting one 9331-TI Temperature Multiplexer, while the FCS-8332 will accommodate two multiplexers.

The carbon loaded polyester enclosures provide the highest levels of corrosion resistance for the harshest process environments, while the controlled surface resistance eliminates the risk of static buildup.

A wide choice of glands, including stainless steel, nickel-plated brass and plastic, enables a high quality seal to be achieved with either standard or wire-armoured cables.

The mounting screws are insulated by the case material and are located outside of the lid seal. A 10mm earth stud and a breather are included as standard.

An adhesive backed, Traffolyte tag label is supplied loose or can be engraved with the tag number and fitted, if details are supplied when ordering.

### SPECIFICATION

#### GENERAL

##### Materials

Carbon-loaded, glass-fibre reinforced polyester, halogen-free, surface resistance <math>10^9\Omega</math> to EN 50014

Stainless steel lid screws, silicone lid seal

##### DIN rail

DIN rail to EN 50022 35 x 7.5 'T' section, mounted horizontally and fitted with two end stops

##### Breather plug

Provided

##### External earth connection

M10 threaded stud

##### Tag label

Traffolyte, adhesive backed - white background - black text



#### ENVIRONMENTAL

##### Operating Temperature

-45°C to +70°C - Steel & nickel plated brass glands

-30°C to +70°C - Plastic glands

##### Storage Temperature

-45°C to +85°C

##### Relative Humidity % RH (non-condensing)

5 to 95%

##### IP rating

IP66 to EN 60529

##### Impact resistance

7 Nm to EN 50014

##### Location of Process JB

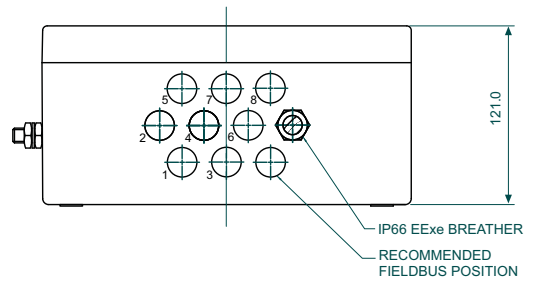
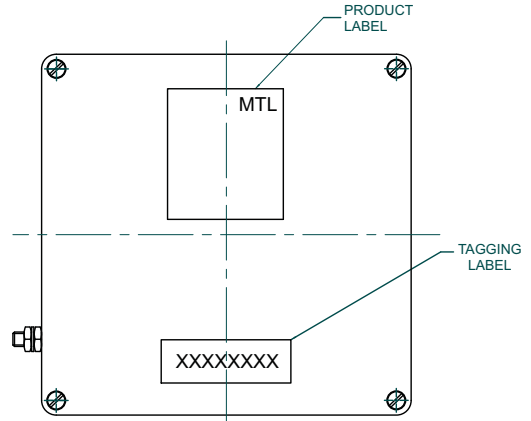
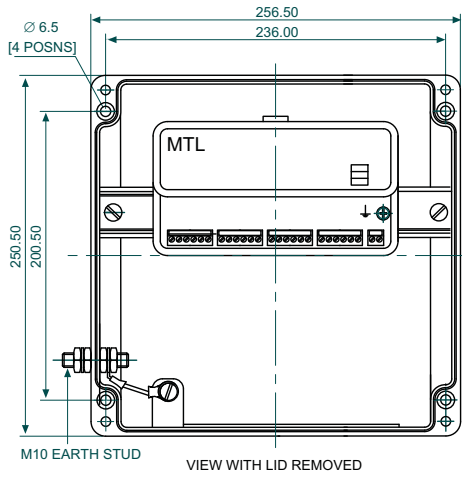
Safe area, Zone 2, IIC T4 hazardous area or Zone 1, IIC T4 hazardous area for intrinsically safe fieldbus segment.

**Note:** If used in a hazardous area, the contents must be suitably certified/approved.



# ENCLOSURE DIMENSIONS

## FCS-8331



## FCS-8332

