



ISO 9001: 2000
Certified

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Detcon Model DM-434

Oxygen Sensor

Galvanic Metal Air Battery

(order by part number 964-345418-025)



Specifications

Sensor Type

Galvanic metal air battery

Measurement Range

0-25% Oxygen

Accuracy/Repeatability

±2% full scale

Response/Clearing Time

T90 <20 seconds

Span Drift

<5% of signal per year (in first two years)

Linearity

± 0.5% FS

Operating Temperature Range

-4°F to +122°F; -20°C to +50°C

Operating Humidity Range

0-99% RH non-condensing

Outputs

Linear 4-20 mA DC

Input Voltage

11.5-28 VDC

Power Consumption

<0.6 watts @ 24 VDC

Electrical Classification

Explosion proof

Class I, Division 1, Groups B, C, D

Safety Approvals

CSA and UL Approved

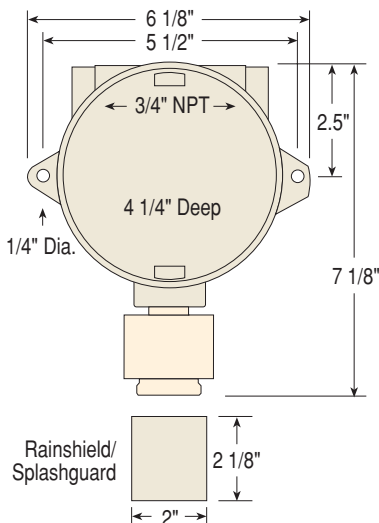
Sensor Life/Warranty

Sensor: 2 year expected life

Sensor: 2 year warranty

Transmitter: 2 year warranty

Dimensions



Standard 4-20 mA Output

Description

Detcon Model DM-434 sensors are designed to monitor ambient air for concentrations of Oxygen in the range 0-25% by volume. The sensor assembly consists of a sensor

in a stainless steel housing, a plug-in control transmitter circuit, a base connector board and an explosion proof enclosure.

Features

- CSA and UL Approved: Class I, Division 1, Groups B, C, & D
- Plug-in field-replaceable sensor
- Plug-in field-replaceable transmitter
- Embedded temperature compensation provides direct correction to changes in ambient temperature
- 2-year expected sensor life in air with 20.9% Oxygen
- 2 wire loop powered

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