



ISO 9001: 2000
Certified

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Detcon Model DM-534

Oxygen Sensor

Galvanic Metal Air Battery

(order by part number 965-345410-025)

Specifications

Sensor Type

Galvanic metal air battery

Measurement Range

0-25% Oxygen

Accuracy/Repeatability

±1% 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

<0.75 watts @ 24 VDC

Electrical Classification

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

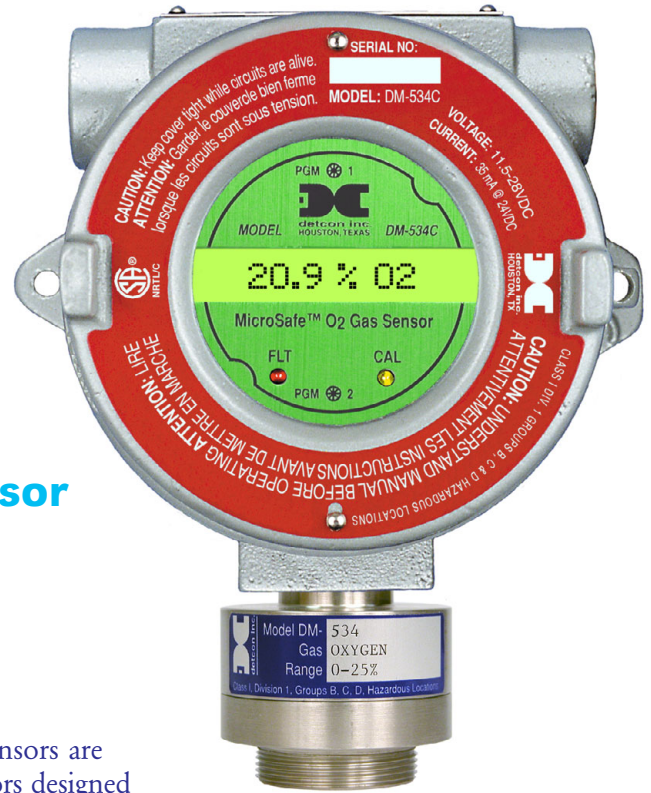
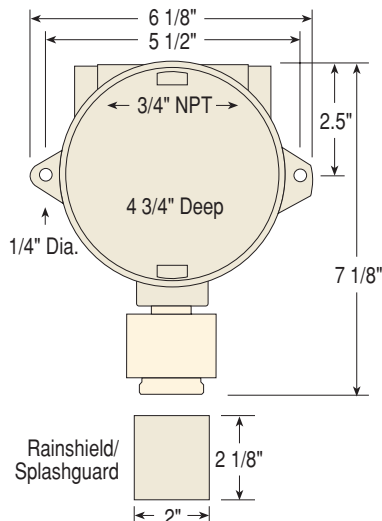
Safety Approvals

CSA/NRTL (US OSHA Certified)

Sensor Life/Warranty

Sensor: 2 year expected life
Sensor: 2 year warranty
Transmitter: 2 year warranty

Dimensions



MicroSafe™ Intelligent Sensor

Description

Detcon Model DM-534 sensors are non-intrusive “Smart” sensors 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-NRTL Approved: Class I, Division 1, Groups B, C, & D
- Simple menu driven calibration - takes less than 3 minutes
- Backlit LCD and LED indicators for FAULT and CAL status
- 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

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