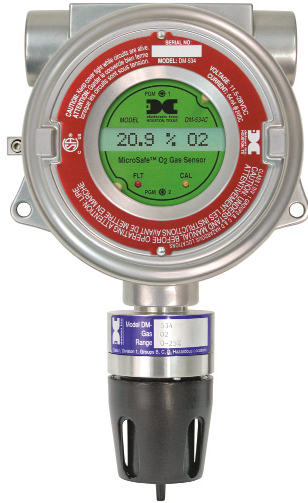




Gas & Flame Detection

3M™ Detcon™ MODEL DM-534 Oxygen sensor assembly



Description

Detcon Model DM-534 sensor is designed to detect and monitor O2 in air over the range 0-25% by volume. The sensor assembly consists of an electrochemical fuel cell mounted in a stainless steel housing that includes a splashguard with integral cal port, a signal conditioning control transmitter circuit, a base connector board and an explosion proof junction box. Operator interface is via a small handheld magnet. One of the main features is the embedded intuitive software that guides the user through routine calibration and configuration menus using a built-in LED alpha/numeric display.

Features

- cCSAus Approved: Class I, Division 1, Groups B, C, & D
- 4-20 mA output
- Simple menu driven calibration - takes less than 3 minutes
- Backlit LCD and LED indicators for FAULT and CAL status
- Plug-in field-replacable transmitter
- Electrochemical plug-in sensor
- Embedded temperature compensation provides direct correction to changes in ambient temperature
- 2-year expected sensor life in air with 20.9% Oxygen

Order guide

PN 965-345420-025 Model IR-534 in Aluminum Junction Box
 PN 965-34542B-025 Model IR-534 in Stainless Steel Junction Box

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 Fax: +1-713-893-6729

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 Tel.: +86-21-3127-6373
 Fax: +86-21-3127-6365

Specifications

- Sensor Type
Galvanic Metal Air Battery
- Measurement Range
0-25% Oxygen
- Accuracy/Repeatability
±1% FS
- Response/Clearing Time
T90 <20 seconds
- Span Drift
<5% signal loss per year
in first two years
- Linearity
± 0.5% FS
- Operating Temperature Range
-25°C to +40°C (US); -40°C to +40°C (Can)
- 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
cCSAus
Ingress Protection
NEMA 4X, IP66
- Sensor Life/Warranty
Sensor: 2 year warranty expected life
Sensor: 2 year warranty
Transmitter: 2 year warranty

