



Oxygen Sensor

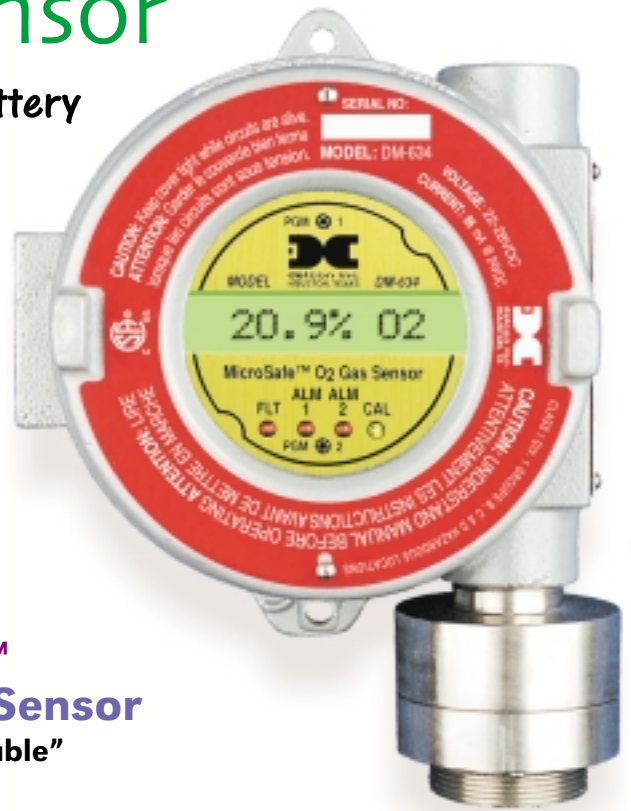
Galvanic Metal Air Battery

Toll Free: 888-367-4286
Phone: 281-367-4100
Fax: 281-292-2860

Internet: <http://www.detcon.com>
e-mail: sales@detcon.com

Model DM-634

(order by part number 966-344510-025)



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

RS-485 Modbus™

3 Relays (alarm 1, alarm 2, & fault)

Contacts rated 5 amps

Input Voltage

22.5-28 VDC

Power Consumption

<2.1 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: 1 year warranty

Transmitter: 2 year warranty

Shipping Weight

6 lbs.

Packing Dimensions

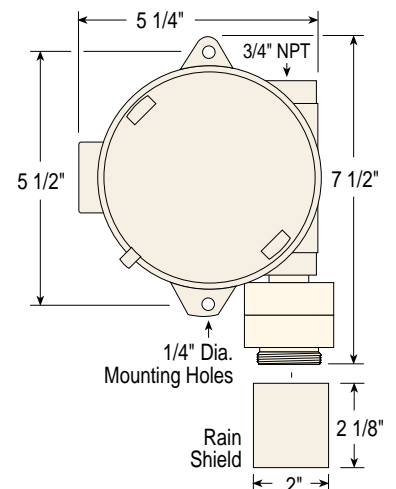
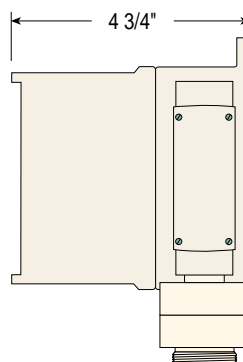
12" x 12" x 9"

MicroSafe™ Intelligent Sensor "RS-485 Addressable"

DESCRIPTION

Detcon Model DM-634 oxygen 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 stainless steel housing, a plug-in control transmitter circuit, a base connector board and an explosion proof enclosure.

- ☞ CSA-NRTL Approved: Class I, Division 1, Groups B, C, & D
- ☞ Compatible with PLCs, SCADA, DCS, or a variety of host controllers via 4-20 mA, and/or RS-485, and/or alarm relays
- ☞ Sensor status and parameters accessible via RS-485 (Modbus™)
- ☞ Menu programmable relays standard (two alarms plus fault)
- ☞ Simple menu driven calibration - takes less than 3 minutes
- ☞ Backlit LCD and LED indicators for FAULT and CAL status
- ☞ Plug-in field-replaceable transmitter and sensor
- ☞ Embedded temperature compensation provides direct correction to changes in ambient temperature
- ☞ 2-year expected sensor life in air with 20.9% Oxygen



DIMENSIONS