



## INDUSTRIAL O<sub>2</sub> DETECTOR

### Your Trusted O<sub>2</sub> Safety Solution for Harsh Environments

With the CM-902 customers can gain peace of mind and protection when working near hazardous gases like nitrogen and argon in industrial applications. Plus, this device features a durable industrial enclosure designed specifically for harsh environments and washdown applications.

### Features

- (3) Configurable safety alarms (Audible and Visible)
- Zirconia sensor with extended lifespan
- Rugged powder coated aluminum enclosure
- Quick release connectors are designed to last in harsh environments
- Push button configuration (NO CONTROL PANEL NEEDED)
- 4-20mA output for communication with Building Maintenance Systems
- (2) Dry contact relays triggered by AL1 and AL2 (NO or NC)
- (1) Dry contact relays triggered by power loss (NO or NC)
- Back-up battery connection available
- Easy calibration function
- Alarm latching function
- Internal heating element
- Strobe Siren accessories available CM-1029
- Hydrophobic filters that prevent water intrusion

### Accessories

- **CM-1029** | Industrial Strobe Siren
- **CM-900-CBL** | Industrial Cable
- **CM-900-CON** | Industrial Connector

### Applications



Welding



Food Processing



Food Freezing



Industrial



Gas Distribution

# TECHNICAL DATA

## Industrial O<sub>2</sub> Detector Specifications

<b>Measurement Range</b>	0-23% Display
<b>Display Resolution</b>	0.1%
<b>Accuracy</b>	Better than 2% FS
<b>Pressure Dependence</b>	Not pressure dependent
<b>Response Time</b>	<2min by 90%
<b>AL1</b>	19.5% Default (15.5%, 16%, 16.5%, 17%, 17.5%, 18%, 18.5%, 19%, 19.5%, 20%)
<b>AL2</b>	16.5% Default (12.5%, 13%, 13.5%, 14%, 14.5%, 15%, 15.5%, 16%, 16.5%)
<b>AL3</b>	12.0% Default (Fixed)
<b>Sound Alarm</b>	80db@10cm
<b>Warm-Up Time</b>	600 seconds (10 minutes) for full operating temperature range

## Monitor Specification

<b>Power Input</b>	9~32VDC (12~24VDC recommended),2A.
<b>Backup Battery</b>	6VDC (5.4V~7.0V), recommended capacity is 12AH
<b>Relay 1</b>	Dry contact relay controlled by AL1 (2Amp) (NO or NC)
<b>Relay 2</b>	Dry contact relay controlled by AL2 (2Amp) (NO or NC)
<b>Relay 3</b>	Dry contact relay (Triggered by power loss to monitor)
<b>4-20mA O<sub>2</sub></b>	Range 0-23%
<b>Dimensions</b>	8.25-inch x 7.8-inch x 3-inch
<b>Weight</b>	1.5lbs (Monitor only)

## Operating Conditions

<b>Temperature</b>	-58°F to 122°F (-50°C to 50°C)
<b>Humidity Range</b>	0 ~ 95% RH non-condensing

