



INDUSTRIAL O₂ DETECTOR

Your Trusted O₂ 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 O₂ Detector Specifications

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

Monitor Specification

Power Input	9~32VDC (12~24VDC recommended),2A.
Backup Battery	6VDC (5.4V~7.0V), recommended capacity is 12AH
Relay 1	Dry contact relay controlled by AL1 (2Amp) (NO or NC)
Relay 2	Dry contact relay controlled by AL2 (2Amp) (NO or NC)
Relay 3	Dry contact relay (Triggered by power loss to monitor)
4-20mA O₂	Range 0-23%
Dimensions	8.25-inch x 7.8-inch x 3-inch
Weight	1.5lbs (Monitor only)

Operating Conditions

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

