

OXYGEN ENRICHMENT SAFETY ALARM



Our #1 Oxygen Safety Device

The RAD-0002-ZR-E Oxygen Enrichment Safety Monitor is designed to detect oxygen in enclosed spaces and to warn occupants of excessively high or enriched O₂ atmospheres. While there are competing definitions of enrichment, atmospheres with more than 21% O₂ concentration can be considered enriched. Oxygen enrichment is a significant concern for anyone working in a confined space, where safe oxygen levels fall between 19.5% and 23%.

This monitor has both audible and visual alarms, which will alert individuals should hazardous concentrations be present. Detection of enriched levels of O₂ will also activate relays that can be used for a fan or air-handling system to ventilate the confined space and improve O₂ concentration in the area.

Features

- Large digital LCD display
- Separate SEU (Main Sensor) and RDU (Remote Display)
- 3 Relay outputs to control ventilation devices
- 4-20mA Outputs - O₂: 0~25%, Temp: -50°C
- Audible and visual indications at 3 alarm levels
- Ability to add strobes for additional indication
- 1,500 sq. ft. coverage area

Accessories

- **CM-1027** | Dual Strobe Add-On Kit
- **CM-0126-5,6** | Strobe Tower Add On Kit
- **CM-1029** | Industrial Strobe Siren

Compliance

- **IFC 2021 Edition**
- **NFPA 55**
- **NBIC**
- **OSHA/NIOSH**

Applications



Cryogenics



**Commercial
Freezers**



Laboratories



**Food
Production**



**Process
Cooling**

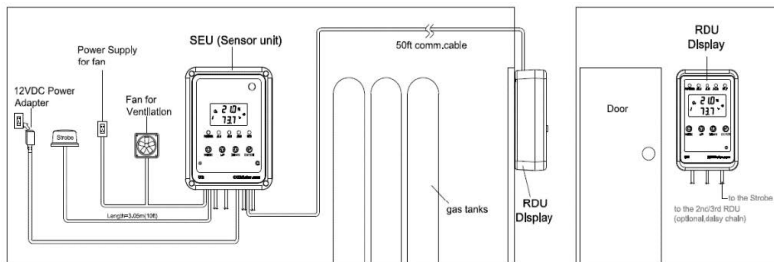
TECHNICAL DATA

Oxygen Enrichment Safety Alarm

Range	0 - 25% display
Display Resolution	0.1%
Accuracy	Better than 2%FS
Response Time	O ₂ : <2min by 90%
O₂ Enrichment AL1	22% Default (22%, 22.5%, 23%, 23.5%)
O₂ Enrichment AL2	24% Default (24%, 24.5%, 25%)
O₂ Enrichment AL3	25% Default (Fixed)
Operating Temperature	-58°F to 122°F (-50°C to 50°C)
Sensor Life Expectancy	10+ Years

Electrical and Mechanical Specifications

Power Supply	Output: 12VDC, 2000mA.
Power Input	9~32VDC (12~24VDC recommended), 2A.
Power Consumption	6VDC (5.4V~7.0V), recommended capacity is 12AH
Relays	Peak current for each relay < 2A @ 30VDC or 250VAC & Relay configuration: SPDT
4-20mA Outputs	CL01: 420mA O ₂ : 0~25% CL02: 420mA Temp: 32 to 122° F (0-50°C)
Mounting Height	12-72 inches from floor height (Dependent upon application)



SCAN THE
QR CODE TO
LEARN MORE



Call 1.877.678.4259

Email Sales@CO2Meter.com | Support@CO2Meter.com

Web CO2Meter.com

Let's Get Social — @CO2Meter on:

