



OXIGRAF

Model O2iM – Oxygen Deficiency Safety Monitor



Our state of the art Oxygen Deficiency Monitor, the Model O2iM, is a fast response, accurate and reliable safety monitor for oxygen displacement monitoring in laboratory, MRI, NMR, and liquid nitrogen and helium storage facilities. Our reliable solid state sensor does not require routine maintenance or factory calibration, and the O2iM is equipped with an automatic/programmable auto-calibration system. The system easily interfaces with alarm system, HVAC controls, and automatic dialers.

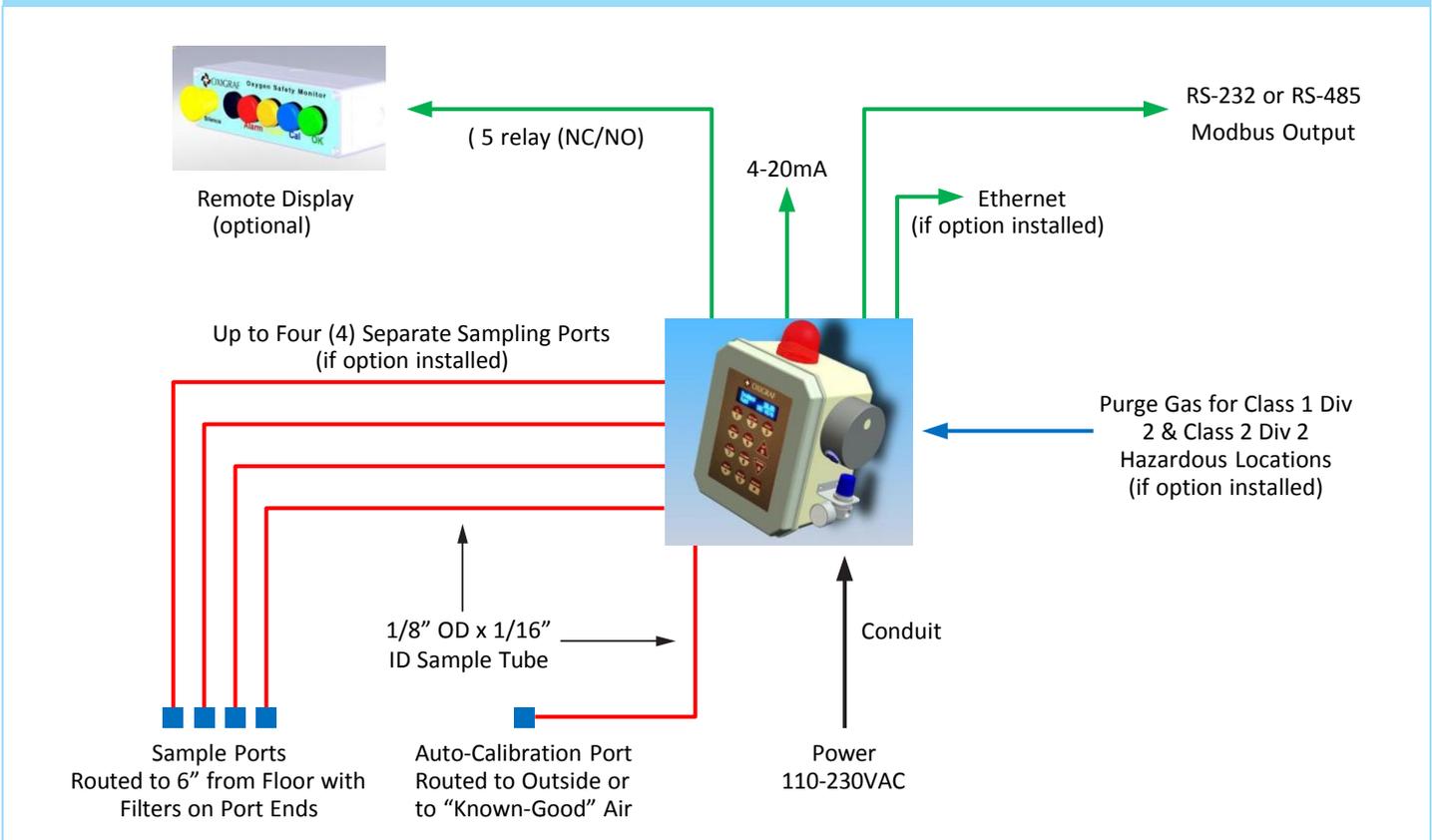
Features

- Fast accurate response with internal sampling pump and optional second high flow pump, will respond to abrupt changes in O2 level in seconds
- Temperature and Pressure compensation, so changes do not result in false alarms or inaccurate readings, very helpful when open doors lead to abrupt temperature changes
- Accurately displays O2 levels in presence of N2, He, Ar, CO2 and other gasses
- Measures accurately over a range of 5-100% oxygen
- User Programmable low and high alarm levels
- Optional multiport sampling of up to four (4) locations allows a single sensor to cover a larger area or the floor and ceiling of a hazardous area
- Red Alarm Light, 100dB Horn (Optional Blue Xenon Light)
- Five (5) standard Relays for Alarm, System OK, Warning, Limit A, and Limit B
- RS-232/485 Digital Output, and 4-20mA Output
- 115-230 Volt AC or 24 Volt DC powered
- NEMA 4X weatherproof housings for wall mounting in factory and industrial installations
- Bright large VFD displays showing oxygen levels, flow levels, and operational status messages
- Touch sensitive front panel for ease of control, can be key code locked for security
- UL/CSA Approved, NEMA 4X/IP66 Enclosure
- Optional High Flow Pump, 90 minute Battery Backup, four (4) port sampling, Class 1 Div. 2 and Class 2 Div. 2 hazardous area purging, and Ethernet connectivity

Specifications

Measurement Range	5-100% Oxygen
Accuracy	±0.5% (24 hours)
Cross-Sensitivity	0.2% (XC Mode)
Response Time	1 second at 150ml/min flow rate, electronic filter setting 7
Pump Sample Rate	User selectable from 50-250ml/minute (High Flow Option)
Ambient Temperature	-10 to 50°C
Humidity	0-95%, non condensing
Power	100-230VAC, 50/60 Hz, 50 watts (optional 20-32 VDC, 1.4A max)
Width x Height x Depth	9.8 inches (250 mm) x 11.9 inches (300mm) x 6.3 inches (160mm) excluding light & horn
Weight	8 pounds (3.2 kg)

Typical O2iM Installation



Oxigraf has a comprehensive sales, service and engineering design and support team at our factory in Sunnyvale, California. Please feel free to contact us with your applications and requirements and let us serve you.



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