

OA-1/OA-1S+

OA-1 & OA-1S Oxygen Analyzers

The benchmark transportable oxygen analyzers for ultra-pure gas applications



- MICROPROCESSOR CONTROL
WITH USER FRIENDLY MENU PROMPTS
- BI-DIRECTIONAL RS-232 COMMUNICATION LINK
- ISOLATED OR NON-ISOLATED
4-20mA CURRENT OUTPUT
- ANALOG OUTPUTS
0-1VDC OR 0-10VDC
- LED & LCD DISPLAYS
- TWO ALARMS WITH INDEPENDENT RELAYS
MAY BE SET AND CONTROLLED BY THE OPERATOR

Operating Conditions	Ambient Temperature: 32° to 113°F (0°-45°C) Relative Humidity: 0-90% (non-condensing)	
Range	0.1PPM to 100% O ₂ . Analyzer auto-ranges between PPM and %. Indicator light on display specifies whether reading is PPM or %.	
Accuracy	±2% of RANGE	
Response Time	95% of step change in 5 seconds at 1 liter/min. sample flow rate. (within range)	
Recovery Time (from air to:)	100PPM	<20 seconds
	10PPM	<5 minutes
	1PPM	<15 minutes
Operations	10-60 PS16. Flow Rate: .5 to 1.5 liters/minute. 115/230 Vac ±20% 50/60 Hz. (via power selector switch)	
Warm-Up Time	Approximately 20 minutes.	
Dimensions	8.12" High x 9" Wide x 13.55" Long (206mm x 229mm x 244mm)	
Weight	10.5lbs (4.77kg)	



OA-1S+ Parts Per Billion Oxygen Analyzer

Operating Conditions	Ambient Temperature: 32° to 113°F (0°-45°C) Relative Humidity: 0-90% (Non-Condensing)	
Range	Auto-ranging. Indicator light specifies whether the reading is in PERCENT, PPM or PPB. Display resolution to 0.05 PPB.	
Accuracy	Analyzing ultra-pure inert gases with no significant reducing gas contamination (CO, H ₂ , Hydrocarbons). The OA-1S+ accuracy specification is 2% of Range or 10 PPB. (whichever is greater)	
Response Time	CHANGE RESPONSE: 95% of step change in 5 seconds at 1 liter/min. sample flow rate within PPM-% levels. 90% of step change in 30 seconds at PPB levels. RECOVERY TIME: From room air to .1% <20 seconds Low PPM levels <5 minutes Under 500 PPB <30 minutes	
Operations	Pressure= 10" to 60" PSI. Flow rate 0.5 to 1.5 LPM 115/230 Vac ±20% 50/60 Hz. (via power selector switch)	
Warm-Up Time	Approximately 20 minutes.	
Dimensions	8.12" High x 9" Wide x 13.55" Long (206mm x 229mm x 244mm)	
Weight	10.5lbs (4.77kg)	



- MULTI RANGE CAPABILITY
FROM PPB TO % OXYGEN CONCENTRATION
- LARGE LED DIGITAL DISPLAY
OF OXYGEN CONCENTRATION
- ALPHANUMERIC LCD
DISPLAYS MODE OF OPERATION
- MICROPROCESSOR CONTROL
WITH USER FRIENDLY MENU PROMPTS
- BI-DIRECTIONAL RS-232 COMMUNICATION LINK
- ANALOG OUTPUTS
4-20mA AND 0-1VDC
- TWO FORM C USER SETABLE ALARMS
- 316 S.S. ELECTROPOLISHED TUBING & FITTINGS
ORBITALLY WELDED SYSTEM WITH VCR CONNECTIONS

ML103 Rev. A
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