

Oxygen Analyzer OA Series



Description:

The OA series portable analyzer is a cost effective solution in a small package for oxygen measurement and control applications. It is compact, cheap and easy installation and designed to provide the trained operator with useful information relating to the concentration of oxygen in non-flammable gases and non-hazardous area. Its microprocessor based main board can offer accurately measure ppm or percent range oxygen. It is ideally suited for measuring trace or high levels of oxygen in applications including High Purity Welding, Solder Reflow, Metal Annealing, semiconductor furnaces, glass manufacture, inert atmosphere chambers, and nitrogen or oxygen generators.



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Advantage	Warning
Compact, easy installation	Never expose the Analyzer to flammable gases.
Long life zirconia sensor	Please keep the sampling flow at calibration rate.
Five to ten years expected operational life	It need be recalibrated if the background gas were not nitrogen.
Sensor will not dry out or freeze	
Calibrated by graphical software via RS-485	Please keep the instrument in good air ventilation.
Flow meter with needle valve	
Low maintenance	
Low cost	
Optional sampling pump	

Specification :

Model	OA-201	OA-301	OA-401	OA-502	OA-601
Measuring Range	0-99.99 ppm	0-999.9ppm	0-9999 ppm	0-25%	0-100%
Resolution	0.01 ppm	0.1 ppm	1 ppm	0.01%	0.1%
Sensor Type	Zirconia Oxygen Sensor				
Accuracy	±2% Full Scale				
Response Time	Approximately 6 sec. for T95				
Operating Flow Rate	1L/min				
Operating Temperature	0° to 45° C (32- 113° F)				
Operating Humidity	0-90% Non condensing				
Operating Pressure	Standard Atmosphere				
Max. Pressure Resistance	3 BarG (without Pump) or 0.5 BarG (with Pump)				
Calibration@ 1L/min	Span/ Zero Gas (2 points) or 3 Points				
Analog Output	4-20mA or 20-4mA Selectable (0-10V/ 10-0V optional)				
Alarm Contact	1 Dry Contact, High/ Low Selectable				
Warming Up	200 sec. at Room Temperature (25°C)				
Digital Interface	RS485 for Calibration/ Setting				
Calibration/ Setting Software	Included with RS485 to USB Converter				
Weight	Approx. 4Kg				
Dimensions	130 X 240 X 260mm				
Power	90-250VAC				
Power Consumption	Maximum 0.5A				