

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.

Advantage:

Compact, easy installation
Long life zirconia sensor
Five to ten years expected operational life
Sensor will not dry out or freeze
Calibrated by graphical software via RS-485
Flow meter with needle valve
Low maintenance
Low cost
Optional sampling pump

Caution:

Never expose the Analyzer to flammable gases.
Please keep the sampling flow at calibration rate.
It need be recalibrated if the background gas were not nitrogen.
Please keep the instrument in good air ventilation.

Specification:

Model:	OA-201	OA-301	OA-401	OA-502	OA-601
Measuring Range:	0-100 ppm	0-1000ppm	0-9999 ppm	0-25%	0-100%
Resolution:	0.1 ppm	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:	1 l/min				
Operating Temperature:	0° to 45° C (32 - 113° F)				
Operating Humidity:	0-90% Non-condensing				
Operating Pressure	1 BarA				
Max. Pressure Resistance	3 BarG (without Pump) or 0.5 BarG (with Pump)				
Calibration@ 1 l/min:	Span/ Zero Gas (2 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				
Power:	90-250VAC				
Power Consumption:	Maximum 0.5A				