



Model POA 200

Portable Trace Oxygen Analyzer



Highlights

- From 0-10ppm to 0-1% Measurement Range
- Portable & Lightweight Design
- IP68 Stainless Steel Housing
- NIST Calibrations
- Fast, Accurate & Repeatable

Applications

- Petrochemical
- Industrial Gases
- Natural Gas
- Power Generation
- And many more...

Model POA 200 - Trace Oxygen Analyzer

General Description

Design Simplicity & Ease of Use

The POA 200 is designed for ease of use, incorporating all the features needed to make installation and operation as simple as possible. Engineered with leading industry experts, this instrument is fully configured and calibrated that can be instantly incorporated into field service.

The on-site connections can be easily made with the supplied Quick-Disconnect fittings, readily taking samples in your service locations. An on-off by pass valve will make sure the sensor is in an air tight chamber and stabilizing for the next measurement.

User Friendly Interface

Once powered on, the POA 200 will automatically adjust it's charts to the correct range of measurement switching between the different ppm levels.

POA 200 is also fast to respond, ensuring that your process is always monitored in real time. The POA 200 is calibrated traceable to NIST standards at ten points over the range of 0.1ppm to 1% to an accuracy of 0.1ppm concentration. The result gives a sensor that is reliable for many years of operation.

Accurate & Responsive

The POA 200 incorporates a proprietary weak acidity electrochemical sensor, tested and verified to ensure the instrument will provide highly accurate and repeatable measurements even under miniscule concentrations of Oxygen in the 0-10ppm range.

As the POA 200 measures the Oxygen concentration in the gas sample, it will give a stable measurement in harsh conditions and is generally unaffected by other gases. Flow rate is not critical to measurement accuracy, though speed of response will be improved with higher flow rate.

Rugged yet Lightweight

The POA 200 is constructed with 316 grade stainless steel. A capative sealed, glaned cable connector offers IP68 protection from any harsh environment.

At only 2.5kg, this portable analyzer can be comfortably carried around via the supplied shoulder strap or the carrying case. Powered by an internal battery, it provides the user with an operation window of 16 hours continuously on full charge. Making it ideal to make measurements in various locations.

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Technical Specifications

Performance		Operating Conditions	
Measurement Ranges	0-10ppm, 0-100ppm, 0-1000ppm, 0-1%	Operating Humidity	0-85% (Non-Condensing)
Sensitivity	0.1ppm	Operating Temp.	0°C - 45°C
Response Time	<10s (100ppm-1%) <25s (0-10ppm)	Operating Pressure	Up to 5000PSIA
Repeatability	+/- 1% FS	Flow Rate	>1 LPM
Electrical Specifications		Mechanical Specifications	
Display	3.5" LCD, 320x 240 Screen Resolution	Protection	Intrinsically Safe, Class I, Div I, Groups B, C, D
Battery	Ni-Cad, ~16 Hours on Full Charge	Dimensions	Height: 4.41" Width: 5.43" Depth: 7.28"
Input Charge Voltage	115/230 VAC	Weight	2.5 Kg



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