

OXTM-100

PORTABLE, BATTERY-OPERATED, DIGITAL OXYGEN MONITOR WITH INTERNAL PUMP

FOR PRECISE OXYGEN MONITORING

FEATURES

- Internal Pump
- Lightweight
- Automatic Calibration
- Battery Powered
- Instantaneous Response Time
- 6 month warranty on O₂ sensor
- 1 year warranty on unit



BENEFITS

- Minimize Delays & Failures in Welding
- Decrease Amount of Inert Gas Used
- Calibrated and Ready to Use
- Easy to Maintain

The Versatile OXTM-100

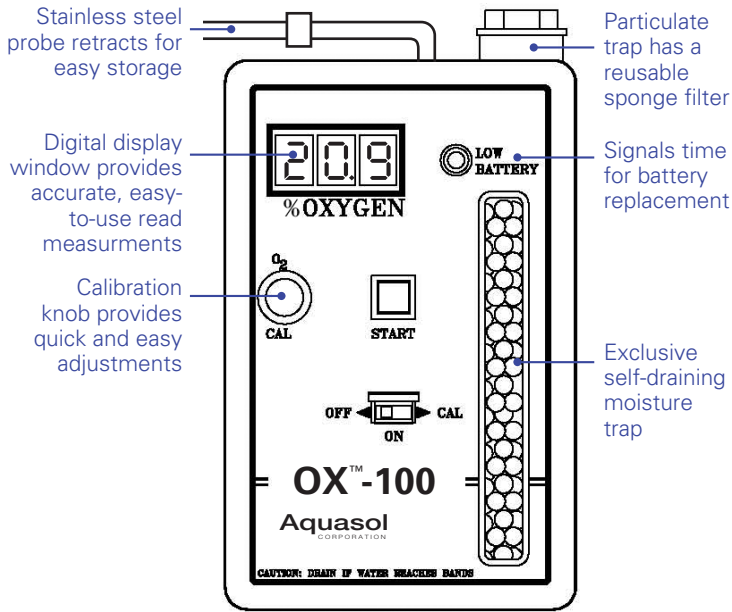
The OXTM-100 is a durable, battery powered instrument that accurately measures oxygen concentration with 0.1% (1000 ppm) resolution. Its rugged construction and compact design enable it to easily fit into a pocket or toolbox. Supplied with a protective carrying case, it also attaches to a belt loop for hands free maneuvering. The OXTM-100 monitor's internal pump draws a sample and its analyzer quickly provides an easy-to-read digital LED display. Designed for use in high purity welding applications in the field, fabrication shop or construction site; the versatile OXTM-100 is equally suited for the production floor, in research labs or for combustion tuning.

High Purity Welding

The OXTM-100 is ideally suited for high purity welding where evacuation of oxygen is paramount. Prior to welding, the pipe will be pre-purged to displace oxygen with an inert gas. Constant monitoring of the oxygen level is necessary until it is ascertained that the oxygen has been evacuated to 0.1% to enable the commencement of welding to prevent oxidation, discoloration and coking. Stainless steel and other alloys oxidize and discolor in the presence of oxygen. The purge monitor will measure traces of oxygen, above 0.1% (1,000 ppm) being exhausted by the purge gas so that operator knows when a safe level to begin welding has been achieved. The OXTM-100 accurately measures low concentrations of oxygen in purged tubing and high purity weldments, ensuring a high quality finish.

Applications

- High Purity Welding
- Ambient Air Monitoring
- Process Analysis
- Laboratory
- Combustion Efficiency



The OX™-100 is powered by four (4) "AA" batteries (not included).

Handheld Oxygen Monitor OX™-100 Specifications

Range:	0 - 25.0% oxygen concentration
Calibration:	20.9% (oxygen concentration in air)
Calibration Gas:	Ambient Air
Sensor:	Electrochemical fuel-cell
Resolution:	0.1% Oxygen
Accuracy:	+/-1% Full Scale
Response:	90% in less than 15 seconds
Display:	0.4" / 11mm LED
Warm-Up:	Instantaneous

Sampling:

Timed Pump Driven Sample Period:	20 seconds Sample with OFF/ON/CAL switch in ON and START switch pressed. Display will hold for 30 seconds after sampling before blanketing.
Continuous Pump Driven Sampling:	OFF/ON/CAL switch in CAL , pump and display will run continuously.
Sample Probe:	Stainless Steel
Filters:	Integral particulate and condensate filter

Sensor:

Type:	Electrochemical fuel-cell
Life:	9 - 12 months
Sensor Guarantee:	6 months from date of shipment
Calibration gas:	Ambient air
Recommended Calibration Period:	Weekly dependent upon use

Item No.	Description	Dimensions		Weight	
		English	Metric	English	Metric
02-100	OX™-100 Oxygen Monitor	5.5" x 3.5" x 1.5"	140 x 89 x 38 mm	1 lb.	454 g
02-100S	Oxygen Sensor	1.5" x 2.5"	38 x 63.5 mm	0.15 lb.	68 g
02-100F	Sponge Filter	0.5" x 0.75"	12.7 x 19.0 mm	0.002 lb.	1 g
02-100L	Lead Pellets	4" x 6"	101.6 x 152.4 mm	1 lb.	454 g

For additional product information, quotations and ordering, please contact:

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