

YSI 5010-W Wine Bottle Oxygen Probe

Ensure minimal oxygen introduction during bottling

Monitoring oxygen levels is crucial during the wine making process and is a key component to maximize wine quality. The YSI 5010-W wine bottle oxygen probe makes it easy to get accurate measurements during bottling. Measuring oxygen ensures minimal oxygen introduction, reassuring the quality of the final product.

The 5010-W is a 6-inch tapered probe designed specifically to fit directly into the neck of a wine bottle. The probe's self-powered stirrer ensures optimal wine sample mixture and flow past the membrane within the small confines of the bottle.

- Easily replaceable screw-on cap membranes
- 5010-W connects directly to the YSI 5000 and 5100 laboratory DO meters
- Probe length: 6 inches (152.4 mm)
- Probe body tapered to fit into the neck of a wine bottle
- Self-stirring probe eliminates need for stir plates



YSI 5010-W and 5100 dissolved oxygen instrument shown measuring wine directly in the bottle.

5000 and 5100 Laboratory Benchtop Meters

Ease of use, data integrity, expanded range, enhanced digital capabilities - the YSI 5000 Series is engineered to meet the need of highly accurate and reliable dissolved oxygen measurements.

- Large graphic display and keyboard profile
- Stores 100 data sets
- PC interface
- Built-in barometer for auto-calibration*
- Bar code compatible*
- Auto-stabilization, with visual and audio alerts, indicates when the measurement has met user-defined stability criteria

The 5100 instrument makes calibration and measurements easy. With its internal barometer, the 5100 can be accurately calibrated with the push of a button.

* Only available on the YSI 5100

YSI 5010-W Probe Specifications

Accuracy	mg/L	± 0.1 mg/L or $\pm 2\%$ of reading, whichever is greater
	% air	$\pm 2\%$ of the reading or $\pm 2\%$ air saturation, whichever is greater
	temperature	$\pm 0.2^\circ\text{C}$
Range	mg/L	0-20 mg/L or 0-60 mg/L, instrument dependent
	% air	0-200% or 0-600%, instrument dependent
	temperature	-5 to 50°C , operating temperature 0 to 45°C
Resolution	mg/L	0.01 mg/L
	% air	0.1%
	temperature	0.1 $^\circ\text{C}$
Response	Typical response at 20°C is 95% of the change within 20 seconds.	

YSI 5000/5100 Information

Features	Benefits
Menu-driven operation	Ease of use
Compatible with YSI wine bottle and BOD probes	Less investment needed; User-replaceable parts
Large LCD	Easy-to-read from 10 feet
Internal memory for 100 data sets	No manual transcribing
RS-232 interface	Ability to transfer data to a PC
Probe and stir motor powered through instrument	Fewer cables in workspace
Audio & tactile keyboard response	Keystroke confirmation reduces errors
Autostabilization	Alerts to predetermined stable condition
User-upgradable internal software	Ensures upgrade without downtime
Real-time clock	Date-stamped stored data

Additional YSI 5100-only Features

Features	Benefits
Built-in OUR/SOUR software	Eases use with USEPA 503 regulations & for operational control
Internal barometer	No external barometer or look-up charts required for calibration
Automated calibration	Reduces manual steps; saves time
Barcode compatibility	Automatic bottle numbering
Port for computer keyboard	Quick data entry from keyboard

YSI 5000 & 5100 Specifications (Instrument Only)

Accuracy	mg/L	$\pm 0.1\% + 1$ lsd	Resolution	mg/L	0.01 mg/L
	% air	$\pm 0.1\% + 1$ lsd		% air	0.1%
	temperature	$\pm 0.1^\circ\text{C}$		temperature	0.1 $^\circ\text{C}$
Range	mg/L	0-60 mg/L	Power	(4) C-size alkaline batteries or AC	
	% air	0-600%			
	temperature	-5 to $+50^\circ\text{C}$			

YSI 5000 & 5100 Ordering Information

050022	Model 5000 Laboratory Dissolved Oxygen Instrument (115V)
051004	Model 5100 Laboratory Dissolved Oxygen Instrument with built-in barometer (115V)
050113	Model 5010-W Wine Bottle Dissolved Oxygen Probe used with the 5000 and 5100
059880	Model 5906 Screw-On Cap Membranes, 6 Membranes with Solution (1 box included with the purchase of a 5905-W and 5010-W)

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Specifications are subject to change. Please visit YSI.com to verify all specs.

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