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## **YSI 5905-W and 5010-W Wine Bottle Oxygen Probes** 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 5905-W and 5010-W wine bottle oxygen probes make it easy to get accurate measurements during bottling. Measuring oxygen ensures minimal oxygen introduction, reassuring the quality of the final product.

The 5905-W and 5010-W probes are designed specifically to fit directly into the neck of a wine bottle with a tapered 6-inch probe that sits on top of the bottle. The probe also has a self-powered stirrer attached to the submersible end to ensure good sample mixture and good flow of wine 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
- 5905-W\* connects to older, box style YSI DO meters, such as the 52 and 58
- 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

## **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.



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

**YSI Food & Beverage**



**Application Note**

\* 5905-W probes will work with a 5000 or 5100 meter when used with a 5011 adapter (all probes and adapters are ordered separately)

\*\* Only available on the YSI 5100

## YSI 5905-W and YSI 5010-W Probe Specifications

Accuracy	mg/L	±0.1 mg/L or ±2% of reading, whichever is greater
	% air	±2% of the reading or ±2% air saturation, whichever is greater
	temperature	±0.2° 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°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	±0.1% + 1 lsd	Resolution	mg/L	0.01 mg/L
	% air	±0.1% + 1 lsd		% air	0.1%
	temperature	±0.1°C		temperature	0.1°C
Range	mg/L	0-60 mg/L	Power	(4) C-size alkaline batteries or AC	
	% air	0-600%			
	temperature	-5 to +50°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
059940	Model 5905-W Wine Bottle Dissolved Oxygen Probe used with 52 and 58 or the 5000/ 5100 when used with a 5011 adapter
059880	Model 5906 Screw-On Cap Membranes, 6 Membranes with Solution (1 box included with the purchase of a 5905-W and 5010-W)
005011	5011 Adapter for connecting a 5905-W to a 5000 or 5100 instrument

### YSI

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

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