



YSI Environmental

YSI 5000 Series Products

Advanced Dissolved Oxygen Instruments for the Lab

Ease of use, data integrity, expanded range, enhanced digital capabilities – the YSI 5000 Series is engineered to meet the need of highly accurate, reliable dissolved oxygen measurements, primarily to determine BOD, Oxygen Uptake Rate (OUR) and Specific Oxygen Uptake Rate (SOUR).

YSI 5000 and 5100 Instruments

The YSI 5000 features menu-driven operation and a large liquid crystal display. Internal memory for 100 data sets with date/time stamp eliminates the need for manual entry of readings. An RS-232 interface allows upload to spreadsheets. Multitasking is enhanced with the auto-stabilization capability, which enables you to predetermine a stable reading and be alerted to that condition.

The full-featured YSI 5100 instrument offers even greater performance and flexibility including built-in software for OUR/SOUR measurement and one step calibrations with no charts or pressure look-ups.

- Stores 100 data sets
- RS-232 computer interface
- Large graphic display and keyboard profile
- Bar code compatible*
- Built-in barometer for autocalibration*
- On-board software for OUR/SOUR measurement*

YSI 5010 Self-Stirring BOD Probe

- Self-stirring probe eliminates need for stir plates.
- Fits standard 300-mL BOD bottles. Available adapters allow for the use in additional BOD bottles.
- Extremely convenient screw-on cap membranes.

* Only available on the YSI 5100



Pure
Data for a
Healthy
Planet.®

*Saves time
Simplifies BOD testing
Reduces errors
Insures data integrity
Conforms to Standard Methods*



www.YSI.com



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Printed in USA 0107 W21-03



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Who's Minding
the Planet?™

Y S I Environmental

5000 Information

Features

- Menu-driven operation
- Compatible with all YSI probes
- Large liquid crystal display
- Internal memory for 100 data sets
- Compatible with YSI BOD Analyst™ software
- RS-232 interface
- Probe power through instrument
- Computer interface control
- Audio & tactile keyboard response
- Autostabilization
- User-upgradable internal software
- Real-time clock

Benefits

- Ease of use
- Less investment needed
- Easy-to-read from 10 feet
- No manual transcribing
- Auto BOD calculations; no errors
- Compatible with PC lab information systems
- Fewer cables in workspace
- Control functions from keyboard
- Keystroke confirmation reduces errors
- Alerts to predetermined stable condition
- Ensures upgrade without downtime
- Date-stamped stored data

5100 Information (provides these additional features & benefits)

Features

- Built-in OUR/SOUR software
- Internal barometer
- Automated calibration
- Barcode compatibility
- Port for computer keyboard

Benefits

- Eases use with USEPA 503 regulations & for operational control
- No external barometer or look-up charts required
- Reduces manual steps; saves time
- Automatic bottle numbering
- Quick data entry from keyboard

5000 & 5100 Specifications

Accuracy	mg/L	±0.1% + 1 lsd	Resolution	mg/L	0.01
	% air	±0.1% + 1 lsd		% air	0.1%
	temperature	±0.1° C		temperature	0.1° C
Range	mg/L	0-60	Power	battery & AC	
	% air	0-600%			
	temperature	-5 to +50° C			

5120 BOD Analyst™ for Windows®

Features

- Normalize to a 5, 7, 20, or 28 day BOD, when final readings are early or late.
- Read data directly from the YSI 5000 or 5100 Dissolved Oxygen Instrument or enter it from the keyboard in spreadsheet format.
- Make graphs more meaningful by plotting statistics that are of interest.
- Eliminate errors by requiring bottle number entry via barcode scanner only (5100 only). Bottle numbers can also be entered via the YSI 5000 or 5100 keypad or a PC keyboard.

5000 & 5100 Ordering Information

050022	Model 5000 Laboratory Dissolved Oxygen (115V)
051004	Model 5100 Laboratory Dissolved Oxygen with Built-in OUR/SOUR Software (115V)
051200	Model 5120 BOD Analyst™ for Windows®
050102	Model 5010 Self-Stirring BOD Probe
059880	Model 5906 Screw-On Cap Membranes, 6 Membranes with Solution