



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*



To order, or for more information, contact YSI Environmental.

+1 937 767 7241

800 897 4151 (US)

www.ysi.com

YSI Environmental
+1 937 767 7241
Fax +1 937 767 9353
environmental@ysi.com

Endeco/YSI
+1 508 748 0366
Fax +1 508 748 2543
systems@ysi.com

SonTek/YSI
+1 858 546 8327
Fax +1 858 546 8150
inquiry@sontek.com

YSI Environmental Gulf Coast
+1 225 753 2650
Fax +1 225 753 8669
environmental@ysi.com

YSI Hydrodata (UK)
+44 1462 673 581
Fax +44 1462 673 582
europe@ysi.com

YSI Middle East (Bahrain)
+973 1753 6222
Fax +973 1753 6333
halsalem@ysi.com

YSI (Hong Kong) Limited
+852 2891 8154
Fax +852 2834 0034
hongkong@ysi.com

YSI (Qingdao) Limited
+86 532 575 3636
Fax +86 532 571 0101
ysiqd@ysiqd.com.cn

YSI Nanotech (Japan)
+81 44 222 0009
Fax +81 44 221 1102
nanotech@ysi.com

ISO 9001
ISO 14001

Who's Minding the Planet?, BOD Analyst, and Pure Data for a Healthy Planet are trademarks of YSI Incorporated. Windows is a registered trademark of Microsoft.

©2007 YSI Incorporated
Printed in USA 0107 W21-03



YSI incorporated
Who's Minding the Planet?™

5000 Information

Features	Benefits
• Menu-driven operation	• Ease of use
• Compatible with all YSI probes	• Less investment needed
• Large liquid crystal display	• Easy-to-read from 10 feet
• Internal memory for 100 data sets	• No manual transcribing
• Compatible with YSI BOD Analyst™ software	• Auto BOD calculations; no errors
• RS-232 interface	• Compatible with PC lab information systems
• Probe power through instrument	• Fewer cables in workspace
• Computer interface control	• Control functions from keyboard
• 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

5100 Information (provides these additional features & benefits)

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
• Automated calibration	• Reduces manual steps; saves time
• Barcode compatibility	• Automatic bottle numbering
• Port for computer keyboard	• 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