



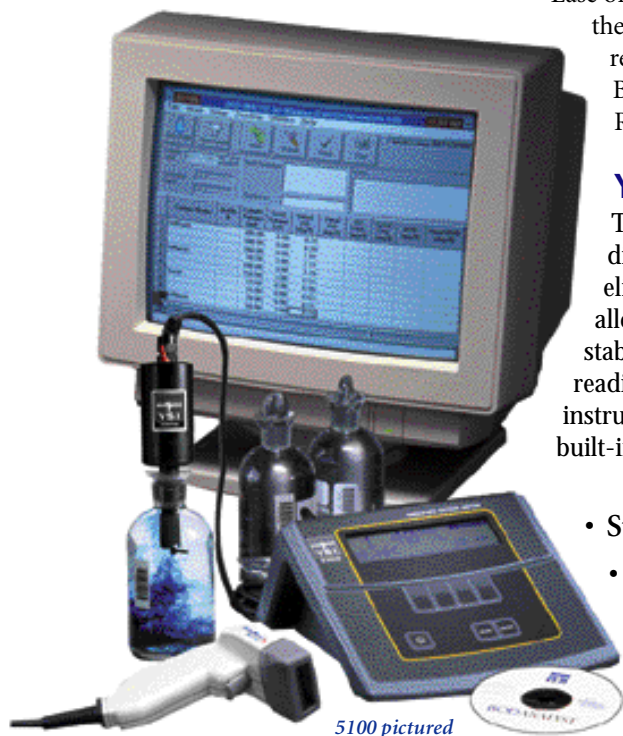
## YSI 5000 Series Products

### 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.



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

Pure  
Data for a  
Healthy  
Planet.™

*Saves time*

*Automates BOD calculations*

*Reduces errors*

*Insures data integrity*

*Conforms to Standard Methods*

### YSI 5120 BOD Analyst™ software for Windows®

- Eliminates need for initial measurements of each sample dilution.
- Conforms to Standard Methods for seed depletion, minimum final DO, and minimum depletion levels.
- Built-in safeguards include notification if seeded samples are present without the corresponding seed control samples.
- Sample Groups allow assignment of a single name to a number of samples, reducing setup time.

*\* Only available on the YSI 5100*



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For more information on YSI's full line of products and services, as well as application notes, FAQs, troubleshooting, and more, check our information-packed website: [www.YSI.com](http://www.YSI.com)

**YSI 5000**

| 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                   |

**YSI 5100 (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                                 |

**YSI 5000 & 5100 Specifications**

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

**YSI 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. |

**How to order**

|   |
|---|
| • YSI 5000 Laboratory Dissolved Oxygen (115V)   |
| • YSI 5100 DO Lab Meter with Built-in OUR/SOUR Software (115V)                          |
| • YSI 5015 Barcode Scanner  |
| • YSI 059160 Barcode Labels   |
| • YSI 5120 BOD Analyst™ for Windows®  |
| • To order probes that meet the needs of your application, see your YSI representative. |

