

# Customizable for your lab and for the

## YSI MultiLab Multiparameter Benchtop Meters

- Take up to 3 BOD measurements at a time
- Wireless electrodes available—take measurements anywhere in your lab
- Compatible with both digital optical BOD probes and YSI 5010 BOD probes



a xylem brand

Streamline your lab with these flexible multiparameter meters. They measure DO/BOD, pH, ORP and conductivity using intelligent digital sensor (IDS) technology that lets them communicate with probes—including probe ID, parameter measured and calibration data.

### Choose from 1-, 2- or 3-channel meters

All meters feature AutoStable function, which constantly evaluates your measurement's stability to ensure reproducible results. When measuring pH, a bar graph indicates if you're measuring in the optimal pH range for your calibration values. Save data sets manually or automatically based on user-defined time intervals. When saving automatically, a graph on the display shows your progress. Transfer data to Excel® through USB connection for further analysis.

**One-channel meters** feature a large easy-to-read backlit graphic display. Store 500 data sets manually, or 5000 data sets in automatic logging mode.

**Two- and three-channel meters** feature a large color graphic display that shows readings for either all channels at once or one channel at a time. They calculate oxygen uptake rate (OUR) and specific oxygen uptake rate (SOUR) to simplify compliance with EPA 503 regulations and provide useful tools for plant optimization. Store up to 500 data sets manually or 10,000 in automatic mode.

**Meters include:** universal power supply, electrode stand, manual, software and USB cable. 3-year meter warranty.

### Many probe/electrode options available

**IDS probes** are galvanically isolated digital probes that store their own calibration history and serial number. Measurements are processed and transferred digitally, which compensates for variable cable lengths and eliminates signal interference. pH electrodes with built-in ATC take fast, accurate measurements.

**IDS wireless pH, ORP or conductivity electrodes** send measurements to your meter via Bluetooth® from as far as 30 feet away—take measurements anywhere in your lab while the meter stays in its safe, dry space. To use these electrodes, a wireless kit (stock # 87782) is required. For each additional electrode, you will need an additional WA-S wireless sensor module (stock # 87783).

### Optional adapters allow for even more customization

The **4011 adapter** (for use with all meters) lets you use the MultiLab meter with the YSI 5010 stirring BOD probe. The **stirrer adapter** (for use with 2- and 3-channel meters only) lets you power up to three BOD stirrers to take up to three BOD measurements at once. **Digital to BNC adapter** (for use with 2- and 3-channel meters only) lets you take measurements using your favorite non-digital BNC-compatible ISE or pH electrodes.



Measure DO/BOD, pH, ORP and conductivity with your choice of digital or non-digital probes in cabled or wireless styles

3-Channel MultiLab Meter 87770



Wireless Kit 87782



A wireless sensor module (stock # 87783) is required for each wireless probe.



Double Junction Wireless pH Probe 87771

Go cable-free—wireless probes let you take measurements as far as 30 feet away from the meter!

# way you measure



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1-Channel MultiLab Meter 18145

## Meters

DESCRIPTION	STOCK #	EACH
<b>MULTILAB METERS</b>		
1-Channel MultiLab Meter, 4010-1W	18145	\$
2-Channel MultiLab Meter, 4010-2W	87769	
3-Channel MultiLab Meter, 4010-3W	87770	

## REPLACEMENT ITEMS & ACCESSORIES FOR METERS

Replacement USB Cable	18151	\$
Replacement Stand and Electrode Holder (Not for OBOD Probe)	18149	
Wireless Kit (Includes WA-S Wireless Sensor Module, WA-M Wireless Meter Module, Charger for WA-S Modules and USB Power Supply)	87782*	
WA-S Wireless Sensor Module	87783	
Digital to BNC Adapter (For ISE Electrodes)	87790	
YSI 4011 Adapter (Connect to YSI 5010 BOD Probe)	87786	
Stirrer Adapter (Powers Multiple BOD/OBOD Stirrers)	87787	
Temperature Probe, Stainless Steel	87789	

## Probes & Electrodes

DESCRIPTION	WITH CABLE		WIRELESS*	
	CABLE LENGTH	STOCK #	STOCK #	EACH
<b>IDS DIGITAL pH/ORP PROBES</b>				
Double Junction, Sealed, Plastic Body, ATC	1.5 m	18136	87771	\$
Double Junction, Sealed, Plastic Body, ATC	3 m	18137	—	—
Double Junction, Refillable, Plastic Body, ATC	1.5 m	18138	87772	
Double Junction, Refillable, Glass Body, ATC	1.5 m	18139	87773	
ORP Electrode, Double Junction, Glass Body	1.5 m	87779	87774	
<b>BOD PROBES</b>				
IDS Digital Polarographic Self-Stirring BOD Probe w/ Temp Sensor (Includes YSI 5908 Membrane Kit)	1.5 m	87778	—	—
YSI 5010 Self-Stirring Probe	1.5 m	72318	—	—
IDS Digital Self-Stirring OBOD Probe	2 m	18152	—	—
<b>IDS DIGITAL CONDUCTIVITY CELLS</b>				
4-Electrode Graphite Cell, k=0.475	1.5 m	18142	87775	\$
4-Electrode Graphite Cell, k=0.475	3 m	18143	—	—
2-Electrode Stainless Steel Cell, k=0.1	1.5 m	18144	87776	

## REPLACEMENT ITEMS & ACCESSORIES FOR PROBES & ELECTRODES

pH Buffer Kit for Digital Sensors, 20 mL Ampule Each of 4.01, 6.89, 9.18	18158	\$
Replacement Sensor Cap for OBOD Probes	37697	
5908 Membrane Kit (6 Membrane Caps, 1 Bottle of Fill Solution)	40148	
5906 Membrane Kit (6 Membrane Caps, 1 Bottle of Fill Solution)	40134	

\* One WA-M wireless meter module can be used to support multiple wireless sensors (found in kit). Each wireless sensor requires a WA-S either from the kit or sold separately.



Stirrer Adapter 87787

Stirrer adapter lets you power up to three BOD stirrers to take up to three BOD measurements at once



### pH

**Range:** 0.000 to 14.000 pH  
**Resolution:** 0.001 pH  
**Accuracy:** ±0.004 pH

### mV

**Range:** -1200 to +1200 mV  
**Resolution:** 1 mV

### Concentration

**Range:** 0 to 999,999 (depends on ISE probe used)  
**Resolution:** up to 0.001  
**Units:** mg/L

### Calibration points:

up to 7

### Dissolved oxygen

**Range:** 0 to 50 mg/L; 0 to 500% air saturation  
**Resolution:** 0.01 mg/L; 0.1%  
**Accuracy:** ±0.1 mg/L or ±1% of reading (0 to 20 mg/L); ±10 mg/L or ±10% of reading (20 to 50 mg/L)

### Conductivity

**Range:** 0 to 2000 mS/cm (auto ranging)  
**Resolution:** 0.01, 0.1, 1 µS; 0.01, 0.1, 1 mS  
**Accuracy:** ±0.5% of value

### Resistivity

**Range:** 0 to 100 MΩ (auto ranging)  
**Resolution:** 0.1/1 Ω, kΩ and MΩ  
**Accuracy:** ±0.5% of value

### TDS

**Range:** 0 to 1999 mg/L; 0.0 to 199.9 g/L (auto ranging)  
**Resolution:** 1; 0.1 mg/L  
**Accuracy:** ±0.5% of value

### Salinity

**Range:** 0.0 to 70.0 ppt  
**Resolution:** 0.1 ppt  
**Accuracy:** ±0.5% of value

### Temperature

**Range:** 0 to 100°C (32 to 212°F)  
**Resolution:** 0.1°  
**Accuracy:** ±0.2°C or F

### Ready indicator:

yes

### Slope calculation & display:

yes

### Memory function:

500 data points manual; 5000 data points automatic (one-channel models), 10,000 data points automatic (2- and 3-channel models)

### Data output:

USB, requires Windows®