

**MAKE SENSE. SAVE CENTS. YSI ECOSENSE.****pH100**
pH or mV/
Temperature**DO200**
Dissolved Oxygen/
Temperature**EC300**
Conductivity/Salinity/
TDS/Temperature

YSI's new EcoSense line of compact, handheld instruments provides the most accurate data in the most affordable format. And the affordability of the EcoSense product line provides a competitive advantage in a market niche previously unaddressed by YSI products.

The instruments feature:

- easy-to-use interface
- one-hand operation
- water-resistant case
- low cost of ownership over the life of the product

The **pH100** instrument is designed to measure pH or mV, plus temperature, in a simple, compact instrument. With a one-year instrument warranty, six-month electrode warranty, calibration backup, and a variety of cable/electrode options, the pH100 will perform to your expectations.

The **DO200** instrument is designed for quick, accurate results in an economical platform. The DO instrument simultaneously measures dissolved oxygen (% air saturation and ppm) and temperature with additional features. The ability to measure DO and temperature in a simple, compact instrument allows for use across multiple application sampling strategies. With a one-year instrument and electrode warranty, along with other features, the DO200 will fit your needs.

The **EC300** instrument is designed for the measurement of conductivity, specific conductance, salinity, TDS, and temperature. With a one-year instrument and electrode warranty, along with other features, the YSI EC300 will fit your needs for a handheld field instrument.

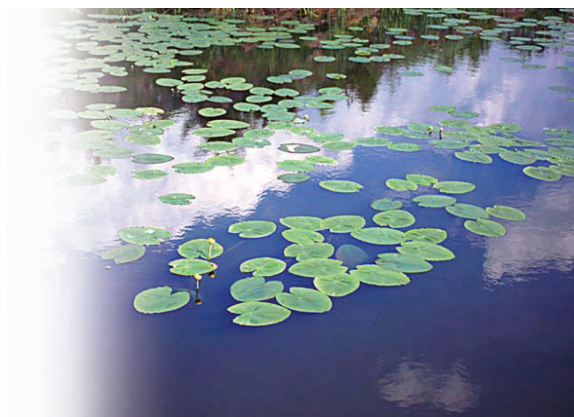
Applications include:

- Agriculture/Farming
- Greenhouses/Nurseries
- Hydroponics
- Food/Beverage
- Aquariums/Zoos
- Industrial
- Education
- Environmental

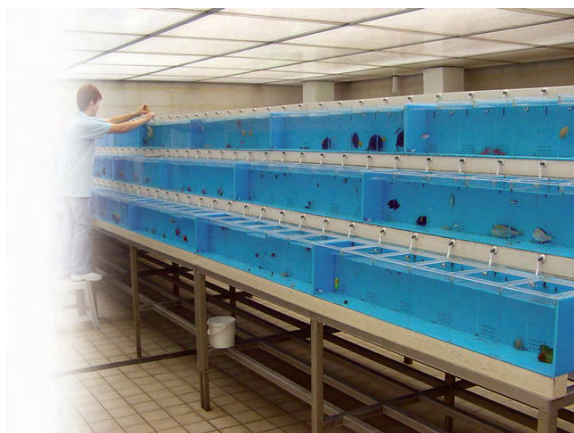
Spot sampling
Field/Lab work
Compact, rugged
One-handed operation



Process/Laboratory Applications



Surface Water/Field Applications



Aquaculture/Aquarium Applications

A Complete Line of Economical and Accurate Handhelds

The high-quality features of the EcoSense product line make the overall cost of ownership with these instruments very low. The instruments are easily operated with one hand; robust, field-worthy cables and probes have interchangeable cable lengths. The probes are field-tested and the accessories are less expensive than competitive products.

pH100 Instrument

- Watertight housing
- Internal buffer recognition
- Auto/Manual temperature compensation
- Sensors are available as single parameter or combinations for pH or mV and Temperature
- Low battery indicator
- Electrode offset recognition
- Autolock mode holds stable readings on display
- Displays electrode efficiency

DO200 Instrument

- Watertight housing
- Automatic temperature compensation
- 4 and 10 meter (12 and 30 feet) cables available
- Manual salinity compensation
- Low battery indicator
- Screw-on cap membranes with low stirring/fast response
- Manual pressure compensation

EC300 Instrument

- Watertight housing
- Rugged, weighted probe assembly
- Automatic temperature compensation
- 4 and 10 meter (12 and 30 feet) cables available
- Conductivity, salinity, TDS, specific conductance, temperature
- Super-stable, four-electrode conductivity cell

pH100 System Specifications (Instrument, Probe, and Cable)

Temperature	Range	-10 to +120°C	Accessories (order cables separately unless ordering as a Kit)
	Resolution	0.1°C	
	Accuracy	±0.3°C ±2 digit	
pH	Range	-2 to 16 units	605377 1-meter (3 feet) waterproof Y-cable with combo pH electrode and temperature 605378 4-meter (12 feet) waterproof Y-cable with combo pH electrode and temperature
	Resolution	0.01 unit	
	Accuracy	±0.1% ±2 digit	
mV	Range	-1999 to +1250 mV	605374 1-meter cable with pH electrode 605376 1-meter cable with mV electrode 605375 1-meter cable with temperature (ATC) probe 605471 Kit [instrument (pH100), 1-meter combo cable (605377), hard carrying case (605382)] 605472 Kit [instrument (pH100), 4-meter combo cable (605378), hard carrying case (605382)] 605380 pH 4, 7, 10 electrode simulator 605409 Weight, pH100 cable 605382 pH100 carrying case, hard-sided, form-fitted foam insert 605381 Soft, black carrying case with shoulder strap, vinyl
	Resolution	1 mV	
	Accuracy	±0.1% ±1 digit	

DO200 System Specifications (Instrument, Probe, and Cable)

Temperature	Range	-6 to +46°C	Accessories (order cables separately unless ordering as a Kit)
	Resolution	0.1°C	
	Accuracy	±0.3°C ±1 digit	
DO % Air Saturation	Range	0 to 200%	605352 4-meter (12 feet) probe and cable assembly 605353 10-meter (30 feet) probe and cable assembly 605473 Kit [instrument (DO200), 4-meter cable (605352), membrane kit (605306), hard carrying case (605383)] 605474 Kit [instrument (DO200), 10-meter cable (605353), membrane kit (605306), hard carrying case (605383)] 605306 Membrane Kit, (6) 1.25 PE membrane with solution 605383 DO200 carrying case, hard-sided, form-fitted foam insert 605381 Soft, black carrying case with shoulder strap, vinyl
	Resolution	0.1% air saturation	
	Accuracy	±2% of the reading or ±2% air saturation, whichever is greater	
DO ppm (mg/L)	Range	0 to 20 ppm	
	Resolution	0.01 ppm	
	Accuracy	±2% of the reading or ±0.2 ppm, whichever is greater	

EC300 System Specifications (Instrument, Probe, and Cable)

Temperature	Range	-10 to +90°C	Accessories (order cables separately unless ordering as a Kit)
	Resolution	0.1°C	
	Accuracy	±0.2°C or ±0.4%, whichever is greater	
Conductivity	Range	0.0 µS to 200 mS, with auto ranging	605395 4-meter (12 feet) probe and cable assembly 605396 10-meter (30 feet) probe and cable assembly 605475 Kit [instrument (EC300), 4-meter cable (605395), hard carrying case (605384)] 605476 Kit [instrument (EC300), 10-meter cable (605396), hard carrying case (605384)] 605384 EC300 carrying case, hard-sided, form-fitted foam insert 605381 Soft, black carrying case with shoulder strap, vinyl
	Range	Resolution Accuracy (meter & probe)	
	0 to 499.9 µS/cm	0.1 µS/cm	
	0 to 4999 µS/cm	1 µS/cm	
	0 to 49.99 mS/cm	0.01 mS/cm	
Salinity	Range	0.0 to 70.0 ppt	
	Resolution	0.1 ppt	
	Accuracy	±0.2% FS	
General	Reference Temp	15.0 to 25.0°C	
	Temp Coefficient	0.0% to 4.0%	
	Default Cell Constant	5.00	
	Cell Constant Range	4.50 to 5.50	
	Temperature Sensor	Thermistor, 10K at 25°C	
TDS (Total Dissolved Solids)	TDS in g/L calculated; user may enter constant values from 0.30 to 1.00, default value 0.65		



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To order or for more
information, contact
YSI Environmental

800 897-4151
www.YSI.com

YSI Environmental
937 767 7241
Fax 937 767 9353
environmental@YSI.com

Endeco/YSI
508 748 0366
Fax 508 748 2543
environmental@YSI.com

YSI Hydrodata
European Support Centre
44 1462 673581
Fax 44 1462 673582
sales@hydrodata.co.uk

YSI (Hong Kong) Ltd
852 2891 8154
Fax 852 2834 0034
hongkong@YSI.com

YSI/Nanotech (Japan)
81 44 222 0009
Fax 81 44 222 1102
nanotech@YSI.com

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

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Printed in USA 0405 W59

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ACCESSORIES



480
Soft shoulder harness



pH100 Kit
Includes instrument, probe/cable, hard-
sided carrying case, and calibration
solution bottles



DO200 instrument with laboratory
BOD probe (200-BOD).



pH160
pH Simulator used with pH100



D0200 Kit
Includes instrument, probe/cable,
hard-sided carrying case, and a
membrane kit with 6-cap mem-
branes and bottle of solution



pH100 instruments
with flat tipped
(112-1) and piercing
tipped (111-1) pH
probes.

EC300 Kit (not pictured)
Includes instrument, probe/cable,
hard-sided carrying case, and a
conductivity cell cleaning brush

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