

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

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. Easily operated with one hand. Robust, field-worthy cables and probes with interchangeable cable lengths. The probes are field-tested and the accessories are less expensive than competitive products.

pH100 (14232-156) 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 (14232-174) Instrument

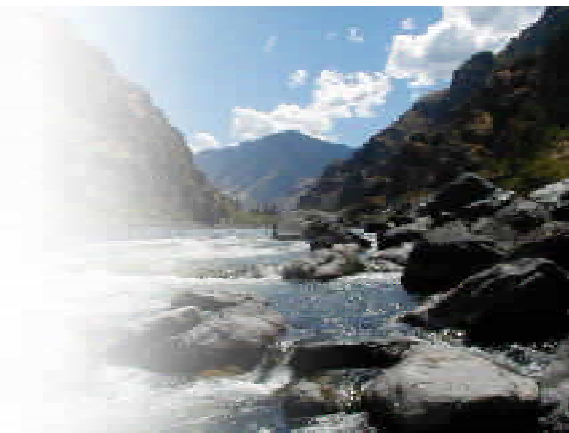
- Watertight housing
- Automatic temperature compensation
- 4 and 10 meter cables available
- Manual salinity compensation
- Low battery indicator
- Screw-on cap membranes with low stirring/fast response
- Manual pressure compensation

EC300 (14236-320) Instrument

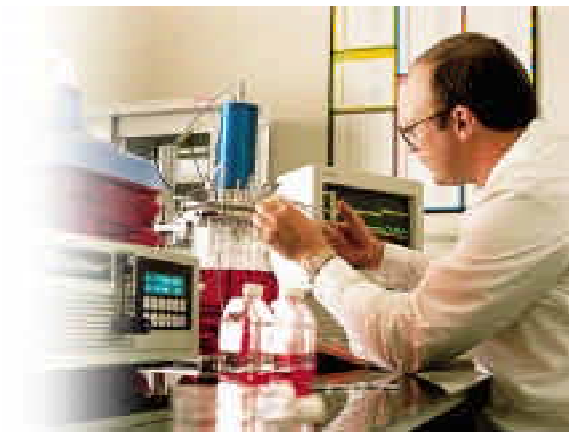
- Watertight housing
- Rugged, weighted probe assembly
- Automatic temperature compensation
- 4 and 10 meter cables available
- Conductivity, salinity, TDS, specific conductance, temperature
- Super-stable, four-electrode conductivity cell



Process Applications



Field Applications



Laboratory Applications

pH100 (14232-156) 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	14232-158 1-meter waterproof Y-cable with combo pH electrode and temperature
	Resolution	0.01 unit	14232-160 4-meter waterproof Y-cable with combo pH electrode and temperature
	Accuracy	±0.1% ±2 digit	14232-162 1-meter cable with pH electrode
mV	Range	-1999 to +1250 mV	14232-164 1-meter cable with mV electrode
	Resolution	1 mV	14232-166 1-meter cable with temperature (ATC) probe
	Accuracy	±0.1% ±1 digit	14236-332 Kit [instrument (14232-156), 1-meter combo cable (14232-158), hard carrying case (14232-170)]
			14236-334 Kit [instrument (14232-156), 4-meter combo cable (14232-160), hard carrying case (14232-170)]
			14232-168 pH 4, 7, 10 electrode simulator
			14232-340 Weight, pH100 cable
			14232-170 pH100 carrying case, hard-sided, form-fitted foam insert
			14232-172 Soft, black carrying case with shoulder strap, vinyl

DO200 (14232-174) 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%	14232-176 4-meter probe and cable assembly
	Resolution	0.1% air saturation	14232-178 10-meter probe and cable assembly
	Accuracy	±2% of the reading or ±2% air saturation, whichever is greater	14236-328 Kit [instrument (14232-174), 4-meter cable (14232-176), membrane kit (5908), hard carrying case (14232-180)]
DO ppm (mg/L)	Range	0 to 20 ppm	14236-330 Kit [instrument (14232-174), 10-meter cable (14232-178), membrane kit (5908), hard carrying case (14232-180)]
	Resolution	0.01 ppm	14236-068 Membrane Kit, (6) 1.25 PE membrane with solution
	Accuracy	±2% of the reading or ±0.2 ppm, whichever is greater	14232-180 DO200 carrying case, hard-sided, form-fitted foam insert
			14232-172 Soft, black carrying case with shoulder strap, vinyl

EC300 (14236-320) System Specifications (Instrument, Probe, and Cable)

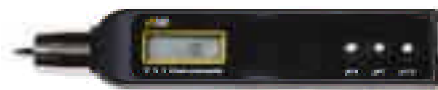
Temperature	Range	-10 to +90°C	Accessories (order cables separately unless ordering as a Kit)	
	Resolution	0.1°C		
	Accuracy	±0.2°C or ±0.4%, whichever is greater		
Conductivity	Range	0.0 µS to 200 mS, with auto ranging	14236-322 4-meter probe and cable assembly	
	Resolution	0.1 µS/cm	14236-324 10-meter probe and cable assembly	
	Accuracy (meter & probe)	±(1% of reading + 2 µS/cm)	14236-336 Kit [instrument (14236-320), 4-meter cable (14236-322), hard carrying case (14236-326)]	
	0 to 499.9 µS/cm	1 µS/cm	±(1% of reading + 5 µS/cm)	14236-338 Kit [instrument (14236-320), 10-meter cable (14236-324), hard carrying case (14236-326)]
	0 to 49.99 mS/cm	0.01 mS/cm	±(1% of reading + 0.05 mS/cm)	14236-326 EC300 carrying case, hard-sided, form-fitted foam insert
0 to 200.0 mS/cm	0.1 mS/cm	±(2.5% of reading + 0.5 mS/cm)	14232-172 Soft, black carrying case with shoulder strap, vinyl	
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			

Pure
Data for a
Healthy
Planet.®

ACCESSORIES



480 (14232-172)
Soft, shoulder harness



pH160 (14232-168)
pH Simulator used
with 14232-156

DO200 (14236-328) Kit
Includes instrument, probe/cable,
hard-sided carrying case, and a
membrane kit with 6-cap mem-
branes and bottle of solution



pH100 (14236-332) Kit
Includes instrument, probe/cable,
hard-sided carrying case, and
calibration solution bottles



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0304 (5m) Lit. No. 25259



YSI Environmental



EXCLUSIVE ECOSENSE DISTRIBUTION PARTNER



14232-156



14232-174



14236-320

pH100
(14232-156)
pH or mV/
Temperature

DO200
(14232-174)
Dissolved Oxygen/
Temperature

EC300
(14236-320)
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 opportunity for VWR to exclusively carry 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 (14232-156)** 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 pH will perform to your customers' expectations.

The **DO200 (14232-174)** 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 DO will fit your customers' needs.

The **EC300 (14236-320)** 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 customers' needs for a handheld, field instrument.