



EC300 Conductivity/Temperature

Accurate, economical, handheld measurements

YSI's EcoSense® line of compact, handheld instruments provides the most accurate data in the most affordable format. The instruments feature an easy-to-use interface, one-hand operation, water resistant case, and low cost of ownership over the life of the product. The YSI EC300 simultaneously measures conductivity (along with specific conductance, salinity, and TDS) and temperature with the following features:



The new YSI EC300 is available with a 4- or 10- meter cable.

- 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

The YSI EC300 is designed for quick, accurate results in an economical platform. The ability to measure conductivity, salinity, or TDS and temperature in a simple, compact instrument allows the instrument to be used across multiple application sampling strategies. With a one-year instrument and electrode warranty, along with other features, the YSI EC300 will fit your needs.

Pure
Data for a
Healthy
Planet.®

*Compact design and
affordable price for
accurate field work*





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EC300 System Specifications (Instrument, Probe, and Cable)

Temperature	Range Resolution Accuracy	-10 to +90°C 0.1°C ±0.2°C or ±0.4%, whichever is greater
Conductivity	Range Range 0 to 499.9 µS/cm 0 to 4999 µS/cm 0 to 49.99 mS/cm 0 to 200.0 mS/cm	0.0 µS to 200 mS, with auto ranging Resolution Accuracy (meter & probe) ± (1% of reading + 2 µS/cm) ± (1% of reading + 5 µS/cm) ± (1% of reading + 0.05 mS/cm) ± (2.5% of reading + 0.5 mS/cm)
Salinity	Range Resolution Accuracy	0.0 to 70.0 ppt 0.1 ppt ±0.2% FS
General	Reference Temp Temp Coefficient Default Cell Constant Cell Constant Range Temperature Sensor	15.0 to 25.0 °C 0.0% to 4.0% 5.00 4.50 to 5.50 Thermistor, 10K at 25 °C
TDS (Total Dissolved Solids)	TDS in g/L calculated; enter constant values from 0.30 to 1.00, default value 0.65	

Additional Technical Specifications

Operating range:	Temperature: 0° to 50° C Relative Humidity: up to 95%
Water resistance:	IP-65 water resistant, splash resistant
Size:	70 mm width x 186 mm length (2.8 in. x 7.3 in.)
Weight with battery:	430 grams (1 lb.)
Battery:	One 9 volt included with purchase
Calibration back-up:	Yes
Audio feedback:	Yes, all keys
Battery life:	150 hours

EC300 Ordering Information

Accessories (order cable separately)	
EC300	E300 instrument
300-4	4-meter probe and cable assembly
300-10	10-meter probe and cable assembly
EC300CC-04	Kit (EC300 instrument, 4-meter probe and cable, 380 hard-sided carrying case)
EC300CC-10	Kit (EC300 instrument, 4-meter probe and cable, 380 hard-sided carrying case)
380	Hard-sided molded carrying case
480	Soft, black carrying case with shoulder strap

For more information about this product, please call YSI at 800-897-4151. You may also send e-mail inquiries to ecosense@ysi.com or visit www.ysiecosense.com.