



YSI EC300 Conductivity/Temperature

Accurate, economical, handheld measurements

YSI's new 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:

- 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.



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



Compact design and affordable price for accurate field work



Y S I Environmental



Pure
Data for a
Healthy
Planet.

Planet.*

To order or for more information, contact YSI Environmental.

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YSI EC300 System Specifications (Instrument, Probe, and Cable)

 $\begin{array}{ccc} \textbf{Temperature} & & \text{Range} & -10 \text{ to } +90 ^{\circ}\text{C} \\ & & \text{Resolution} & & 0.1 ^{\circ}\text{C} \\ \end{array}$

Accuracy ± 0.2 °C or ± 0.4 %, whichever is greater

Conductivity Range 0.0 µS to 200 mS, with auto ranging

 Range
 Resolution
 Accuracy (meter & probe)

 0 to 499.9 μS/cm
 0.1 μS/cm
 ± (1% of reading + 2 μS/cm)

 0 to 4999 μS/cm
 1 μS/cm
 ± (1% of reading + 5 μS/cm)

 0 to 49.99 mS/cm
 0.01 mS/cm
 ± (1% of reading + 0.05 mS/cm)

 0 to 200.0 mS/cm
 0.1 mS/cm
 ± (2.5% of reading + 0.5 mS/cm)

Salinity Range 0.0 to 70.0 ppt
Resolution 0.1 ppt

 $\begin{array}{ll} \text{Resolution} & 0.1 \text{ ppt} \\ \text{Accuracy} & \pm 0.2\% \text{ FS} \end{array}$

General Reference Temp 15.0 to 25.0 °C

Temp Coefficient 0.0% to 4.0% Default Cell Constant Cell Constant Range 5.00 4.50 to 5.50

Temperature Sensor Thermistor, 10K at 25 °C

TDS in g/L calculated; user may enter constant values from 0.30 to 1.00, defualt value 0.65

Accessories (order cable separately)

300-4 4 meter probe and cable assembly
300-10 10 meter probe and cable assembly
380 Hard-sided molded carrying case

480 Soft, black carrying case with shoulder strap

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

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