



EcoSense EC300A Conductivity/Temperature

Accurate, economical, handheld measurements

The 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, IP67 waterproof case, and low cost of ownership over the life of the product. The EC300A simultaneously measures conductivity, specific conductance, salinity, TDS (Total Dissolved Solids) and temperature with the following features:

Parameters:

Conductivity

Specific Conductance

Salinity

Temperature

TDS (total dissolved solids)

- IP67 Waterproof housing
- 1-year instrument warranty
- Rugged, weighted probe assembly
- Automatic temperature compensation
- 4- and 10-meter field cables available
- Low battery indicator with 500 hour battery life
- Super-stable, four-electrode conductivity cell designed for the field
- Auto shutoff function after 30 minutes of inactivity
- 50 data set memory

The EC300A is designed for quick, accurate results in an economical platform. The ability to measure conductivity, salinity, TDS and temperature in a simple, compact handheld allows the instrument to be used across multiple application sampling strategies. With a one-year instrument and electrode warranty, waterproof case and ease-of-use, the EC300A will fit your needs.

The EcoSense EC300A is also available as a kit with a 1-, 4- or 10-meter cable.



EC300A System Specifications (Instrument, Probe, and Cable)

Temperature	Range	-10 to +90°C (14 to 194°F)	
	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	
	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	Calculated; 0.0 to 70.0 ppt	
	Resolution	0.1 ppt	
	Accuracy	±0.2% FS	
Total Dissolved Solids	TDS in g/L calculated; enter constant values from 0.30 to 1.00, default value 0.65		

EC300A Additional Specifications

Operating range	Temperature	0 to 50°C (32 to 122°F)
	Relative Humidity	up to 95%
Water rating	IP67 waterproof	
Size	78 mm wide (widest point) x 184 mm long x 37 mm deep (3.1 in. x 7.25 in. x 1.45 in.)	
Weight with battery	272 grams (0.6 lb.)	
ATC Probe	Thermistor, 10kΩ / 25° C	
Battery	One 9 volt included with purchase; 500 hour battery life	
Reference temperature	15.0 to 25.0°C (59 to 77°F)	
Temperature coefficient	0.0% to 4.0%	
Default cell constant	5.00	
Cell constant range	4.50 to 5.50	
Calibration back-up	Yes	
Audio feedback	Yes, all keys	
Autolock feature	Yes	
Memory	50 data set reviewable memory	
Auto shutoff	Automatically powers off after 30 minutes of inactivity	