

Water Quality Meters

YSI EcoSense® EC300M Conductivity/Temperature

YSI EcoSense® instruments provide accurate data in the most affordable package. The "M" stands for memory and the instruments feature a real-time clock, larger memory and simple data transfer to a PC with a built-in USB port. The EC300M is easy-to-use, field-ready and utilizes a stable, 4 nickel electrode sensor design that results in accurate measurements.

FEATURES

The EC300M measures conductivity, specific conductance, salinity, TDS (Total Dissolved Solids) and temperature with the following features:

- Rugged, waterproof, field-worthy case. IP-67 rated.
- Durable field probe and cables made in the USA. 1-,4- and 10-meter field cables available.
- Waterproof micro-USB port for transferring data to PC; no software required.
- Holds 250 data sets; no need to write down data.
- Real-time clock for date/time stamp of saved data.
- User-selectable re-calibration prompt provides reminder to calibrate.
- Automatic temperature compensation.
- Stable, four-electrode design provides accurate field measurements.
- 1-year warranty on instrument and probe/cable assembly.



CALL GEOTECH TODAY (800) 833-7958

Geotech Environmental Equipment, Inc.

2650 East 40th Avenue • Denver, Colorado 80205

(303) 320-4764 • **(800) 833-7958** • FAX (303) 322-7242

email: sales@geotechenv.com website: www.geotechenv.com

Water Quality Meters

YSI EcoSense® EC300M Conductivity/Temperature

SPECIFICATIONS

EcoSense EC300M System Specifications (Instrument, Probe, and Cable)

	Range	Resolution	Accuracy
Temperature	-10 to 90°C	0.1°C	±0.2°C or ±0.4%, whichever is greater
Conductivity	0 to 499.9 µS/cm	0.1 µS/cm	±1% of reading +2 µS/cm
	500 to 4999 µS/cm	1 µS/cm	±1% of reading +5 µS/cm
	5.0 to 49.99 mS/cm	0.01 mS/cm	±1% of reading +0.05 mS/cm
	50 to 200 mS/cm	0.1 mS/cm	±2.5% of reading +0.5 mS/cm
Salinity	Calculated; 0.0 to 70.0 ppt	0.1 ppt	±0.2% Full Scale
Total Dissolved Solids	mg/L calculated; User-selectable TDS constant from 0.3 to 1.00, default value is 0.65		

EcoSense EC300M Additional Specifications

Operating Range	Temperature	0 to 50°C (32 to 122°F)
	Relative Humidity	up to 95%
Waterproof Rating	IP-67 waterproof	
Handheld 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	280 grams (0.6 lb.)	
ATC Probe	Thermistor, 10kΩ/25°C	
Battery	One 9 volt (included); 90 hour battery life; Real Time Clock (RTC) powered by non-replaceable CR2032 coin battery (3V)	
Temperature Compensation Coefficient	0.0% to 4.0%	
Reference Temperature	15.0 to 25.0°C	
Default Cell Constant	5	
Cell Constant Range	4.50 to 5.50	
Audio Feedback	Yes, all keys	
Autolock Feature	Yes	
Auto Shutoff	Automatically powers off after 30 minutes of inactivity	
Memory (data sets)	250 (one data set = DO, temp, date/time)	
Re-calibration Timer	User-selectable; from 0 to 60 days	
Real-Time Clock (RTC)	Yes, for date/time stamp of saved data and calibration timer	
USB Port	Yes, waterproof micro-USB for downloading data to PC	

ORDERING INFORMATION

Order items separately or as a kit

Part	YSI Part No.	Geotech Part No.
EC300M, meter only - includes manual, USB cable and 9 volt battery	601034	72103094
Kit: EC300M meter, 1 meter cable/probe assembly, carrying case	601035	92103027
Kit: EC300M meter, 4 meter cable/probe assembly, carrying case	601036	92103028
Kit: EC300M meter, 10 meter cable/probe assembly, carrying case	601037	92103029
1-meter built-in conductivity and temperature field cable and probe only	606044	12103239
4-meter built-in conductivity and temperature field cable and probe only	605395	12103039
10-meter built-in conductivity and temperature field cable and probe only	605396	12103040
Hard-sided, plastic carrying case with form fitted foam insert; 31.75 x 22.86 x 9.4 cm (12.5 x 9 x 3.7 in.)	606043	12103245

CALL GEOTECH TODAY (800) 833-7958

Geotech Environmental Equipment, Inc.

2650 East 40th Avenue • Denver, Colorado 80205

(303) 320-4764 • **(800) 833-7958** • FAX (303) 322-7242

email: sales@geotechenv.com website: www.geotechenv.com