

EC510T Conductivity Meter



GENERAL FEATURES

- Color High contrast LCD touchscreen, 4.3 inches.
- Intelligent operation system provides features including user management, calibration management, electrode management, method management, data management, Log Management and etc.
- Multi-reading feature allows auto-read, timed-read and continuous-read.
- Automatic/Manual temperature compensation ensures accurate results.
- Auto-hold feature senses and locks the measurement endpoint.
- Data Storage 1000 sets for each parameter (GLP-compliant).
- Data analysis feature helps user review, compare and recalculate results.
- Support for USB communication.
- Auto-power off feature effectively extends the battery service life.
- Reset feature automatically resumes all settings back to factory default options.
- IP65 waterproof. The portable meter is suitable for fields measurements and out door measurements.
- 1-5 points calibration automatically recognizes the standard solutions.
- Settable parameters, including cell constant, reference temperature (5/10/15/18/20/25°C), temperature compensation coefficient and TDS factor.
- Temperature compensation type (none, linear, pure water).

Model		EC510T
Parameters		EC/Resistivity/TDS /Sal./Temp.
Conductivity	Range	0.000 μ S/cm to 3000 mS/cm
	Resolution	0.001 μ S/cm minimum, various with range selection
	Accuracy	$\pm 0.5\%$ FS
	Reference Temperature	5, 10, 15, 18, 20, 25 $^{\circ}$ C
	Calibration Points	Up to 5
	Calibration Reminder	Yes
	Standard Recognition	10 μ S/cm, 84 μ S/cm, 500 μ S/cm, 1413 μ S/cm, 12.88mS/cm; 146.5 μ S/cm, 1408 μ S/cm, 12.85mS/cm, 111.3mS/cm
Resistivity	Range	5.00 $\Omega \cdot$ cm~100.0 M $\Omega \cdot$ cm
	Resolution	0.01 $\Omega \cdot$ cm minimum
	Accuracy	$\pm 0.5\%$ FS
TDS	Range	0.000ppm~1000ppt
	Resolution	0.001mg/L minimum, changed with range
	Accuracy	$\pm 0.5\%$ FS
Salinity	Range	0.0 ~ 80.0 ppt
	Resolution	0.1ppt
	Accuracy	± 1 ppt
Temperature	Range	-10 to 135 $^{\circ}$ C, 14 to 275 $^{\circ}$ F
	Unit	$^{\circ}$ C, $^{\circ}$ F
	Resolution	0.1
	Relative Accuracy	± 0.1
Measurement	Reading Mode	Auto Read (Fast, Medium, Slow), Timed, Continuous
	Reading Prompts	Reading, Stable, Locked
	Temp. Compensation	ATC, MTC
Data management	Data Storage	1000 Groups
	GLP Features	Yes
Inputs	Conductivity with Temp. Probe	5-pin aviation connector
Outputs	USB	USB 2.0 flash memory device, PC, scanner
	Bluetooth	Yes
Display options	Backlight	300, 600, 1200, 1800, 3600 sec., off
	Auto Shutdown	IP65
	IP Rating	Yes
	Date and Time	Rechargeable Lithium battery, AC Adapter, 100-240V AC input, DC5V output
General	Power	90 $\times$ 255 $\times$ 40 mm
	Dimensions	500g (1.1 lb)
	Weight	500g (1.1 lb)