

# EC310T Conductivity Meter

## Features

- Color High contrast LCD touchscreen, 4.3 inches.
- 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 capacity of up to 500 sets for each parameter (GLP-compliant).
- 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.
- 1-3 points calibration with Standard Recognition.
- Settable parameters, including cell constant, temperature compensation coefficient, and TDS factor.
- Temperature compensation type (none, linear, pure water).

## Includes

- ◆ DJS-1 VTC EC electrode
- ◆ 1413 $\mu$ S/cm EC standard solution, 50ml, 1 vial
- ◆ Electrode holder
- ◆ Silicone rubber case
- ◆ Wristbands
- ◆ Touch pen
- ◆ Carrying Case



## Specifications

Model	EC310T	
Parameters	EC/Temp.(Resistivity/TDS/Sal.)	
Conductivity	Range	0.000 $\mu$ S/cm to 1000 mS/cm
	Resolution	0.001 $\mu$ S/cm minimum, various with range selection
	Accuracy	$\pm 1.0\%$ FS
	Reference Temperature	20, 25 $^{\circ}$ C
	Calibration Points	Up to 3
	Standard Recognition	84 $\mu$ S/cm, 1413 $\mu$ S/cm, 12.88mS/cm
Resistivity	Range	5.00 $\Omega \cdot$ cm~20.00 M $\Omega \cdot$ cm
	Resolution	0.01 $\Omega \cdot$ cm minimum
	Accuracy	$\pm 1.0\%$ FS
TDS	Range	0.000ppm~300ppt
	Resolution	0.001ppt minimum, 3 significant digits
	Accuracy	$\pm 1.0\%$ FS
Salinity	Range	0.0 ~ 80.0 ppt
	Resolution	0.1ppt
	Accuracy	$\pm 2$ ppt

<b>Temperature</b>	<b>Range</b>	<b>-5 to 110 °C, 23 to 230 °F</b>
	<b>Unit</b>	<b>°C, °F</b>
	<b>Resolution</b>	<b>0.1</b>
	<b>Accuracy</b>	<b>±0.2°C</b>
<b>Measurement</b>	<b>Reading Mode</b>	<b>Auto Read (Fast, Medium, Slow), Timed, Continuous</b>
	<b>Reading Prompts</b>	<b>Reading, Stable, Locked</b>
	<b>Temp. Compensation</b>	<b>ATC, MTC</b>
<b>Data management</b>	<b>Data Storage</b>	<b>1000 Groups</b>
	<b>GLP Features</b>	<b>Yes</b>
<b>Inputs</b>	<b>Conductivity with Temp. Probe</b>	<b>5-pin aviation connector</b>
<b>Outputs</b>	<b>USB</b>	<b>PC, printer</b>
<b>Display options</b>	<b>Backlight</b>	<b>Yes</b>
	<b>Auto Shutdown</b>	<b>300, 600, 1200, 1800, 3600sec., off</b>
	<b>IP Rating</b>	<b>IP65</b>
	<b>Date and Time</b>	<b>Yes</b>
<b>General</b>	<b>Power</b>	<b>Rechargeable Lithium battery, AC Adapter, 100-240Y AC input, DC5V output</b>
	<b>Dimensions</b>	<b>90 x 255 x 40 mm</b>
	<b>Weight</b>	<b>500g (1.1 lb)</b>
	<b>Dimensions (Carton)</b>	<b>410x330x165 mm</b>
	<b>Weight (Gross)</b>	<b>5.5 kg</b>