

LABORATORY CONDUCTIVITY METER



MODEL: TL-300EC

DESCRIPTION

TOPLAB INDIA'S microprocessor based Laboratory Conductivity meter is used for measuring the Conductivity of liquids. The meter is widely used in environmental and ecological studies for monitoring the purity and concentration of water. Calibration is fast, easy and accurate with auto-calibration using built-in Auto buffer -recognition and automatically calculated and displayed electrode slope value, with dual selective Temperature Compensation of ATC & MTC.

TOPLAB INDIA'S EC Meter is a great tool for any laboratory operator and field user, which is one of the most accurate digital EC / °C meters available in the market. It has the function of ATC (Automatic Temperature Compensation) and MTC (Manual Temperature Compensation), and is suitable to measure the EC & Temperature value of solutions.

Features:

- Large backlit LCD display shows mode indicators and help messages.
- Up to 3-point calibration allows user to customized calibration solutions.
- Auto-Ranging for Conductivity and Temperature measurements.
- Selectable cell constants and temperature units.
- Automatic Temperature Compensation ensures highly accurate measurement.
- Automatic endpoint function freezes the stable measured values for easy reading and recording data.
- Manual temperature calibration provides accurate temperature value.
- Help message as operational guide to helps you understand how to use meter.
- Setup menu lets user customizes calibration points, temperature units, automatic or manual hold function, and auto-off feature to meet personal preferences.
- Reset function can resumes all settings to factory default parameters.

SPECIFICATION:

- A. Conductivity Range:** 0 $\mu\text{S}/\text{cm}$ ~ 200)mS/cm;
[0~199.9) $\mu\text{S}/\text{cm}$; 200~1999) $\mu\text{S}/\text{cm}$; (2~19.99)mS/cm; (20~199.9)mS/cm]
- B. Resolution:** 0.1/1 $\mu\text{S}/\text{cm}$; 0.01/0.1ms/cm
- C. Conductivity Accuracy:** $\pm 1\%$ Full
- D. Calibration Points:** Up to 3 points
- E. Cal. solutions:** 10 $\mu\text{S}/\text{cm}$, 84 $\mu\text{S}/\text{cm}$, 1413 $\mu\text{S}/\text{cm}$, 12.88mS/cm, 111.8mS/cm
- F. Temperature Range:** 0~105°C, 32~221°F
- G. Temperature Accuracy:** $\pm 1^\circ\text{C}$
- H. Temperature Compensation:** 0~100°C, 32~212°F, Manual
- I. Temperature Coefficient:** 0.0~10.0% per °C
- J. Cell Constant:** K=0.1, 1, 10, Selectable
- K. Normalization Temperature:** 25°C
- L. Auto-Off:** Manual or Automatic
- M. Connector:** 6-pin DIN
- N. Power Requirements:** DC9V, using AC adapters (220VAC/50Hz)