

## Laboratory pH/mV meter



**MODEL: TL-300**

### DESCRIPTION

TOPLAB INDIA'S Microprocessor based pH meter is best choice for any laboratory operator/user for advanced pH/mV/Temperature measurement. Calibration is fast, easy and accurate with auto-calibration using built-in Auto buffer – recognition and automatically calculated and displayed electrode slope value, with selective Temperature Compensation of MTC.

TOPLAB INDIA'S pH Meter is a great tool for any laboratory operator and field user, which is one of the most accurate digital pH/mV/°C meters available in the market.

It has the function of MTC (Manual Temperature Compensation), and is suitable to measure the pH or temperature value of solutions and the potential (mV) of electrodes. Furthermore, if it is equipped with an appropriate ORP electrode, it also can be used to measure the ORP concentration of solution.

## Features:

- Large LCD display.
- Simultaneous display pH/ mV/°C.
- Routine fast pH/mV /°C Temperature measurement.
- High accuracy and High resolution.
- Flexible calibrations up to 2-points or 3-point.
- NIST Buffer standards pre-loaded (pH4.00, pH6.86, pH9.18).
- Temperature Compensation: MTC (Manual Temp. Compensation).

## SPECIFICATION:

### A. Measurement range:

- pH: 0.00pH ~ 14.00pH;
- mV: ±1999mV;
- Temp: 0°C ~ 100°C

### B. Accuracy:

- pH: 0.01pH;
- mV: 0.1% FS ±1 digit;
- Temp: 0.3°C ±1 digit

### C. Resolution:

- pH: 0.01pH/0.1pH;
- mV: 0.1mV/1mV;
- Temp: 0.1°C

**D. Temperature compensation:** 0°C ~ 100°C (MTC- Manual)

**E. Stability:** ≤0.01pH (±1 digit /3h)

**F. Input resistance:** ≥1×10<sup>12</sup> Ω

**G. Power source:** DC9V Power Adaptor (AC 220V, 50/60Hz)

## Application Industries:

TOPLAB INDIA'S pH Meters high accuracy and resolution make it suitable even for all the most demanding solution pH/mV measurement such as chemical solutions, Organic solvents, Milk, Beverages, Juices, Water, Highly Acidic or Alkaline solutions or any other liquids and following industries.

- Water quality testing in streams, rivers and lakes,
- Waste water & Drinking Water Analysis,
- Chemical & Pharmaceutical Industry ,
- Agriculture Industry,
- Diagnosis canters & Hospital's ,
- Food and wine industry ,
- Educational Institutes,
- Scientific & Research laboratory etc.