



# DIGITAL pH, Conductivity & Temperature Meter

For Accurate Reliable & Fast Measurements of pH, Conductivity & Temperature in Laboratory

- Highly Stable & Accurate
- Cell Constant Adjustment Facility
- 3½ Digit Red LED Display
- Rugged & Reliable Design



Digital pH, Conductivity & Temperature Meter Model A1810 is an elegant, reliable and most economical instrument for fast and accurate pH, Conductivity and Temperature measurements in any laboratory. This instrument is useful for monitoring acidity & alkalinity, conductivity & temperature of natural water, sea water, drinking water,

treated water, waste water, brine solution, soil and other chemical solutions. 3½ digit, 7 segment bright red LED display & Solid State IC circuit makes it versatile and reliable. It operates on 230VAC, 50Hz.

The instrument is useful for educational and chemical laboratories, pollution and environmental testing, public health engineering, sugar, cement, paper industries, pharmaceuticals & boiler water analysis, agriculture and soil labs, brewery and transport under takings, fertilizer plants and petroleum refineries etc.

## SPECIFICATIONS

### GENERAL

**Range Display :** 3½ Digit LED

**Power :** 220V AC  $\pm$  10% 50 Hz

**Dimensions :** 75  $\times$  175  $\times$  275 mm

**Weight :** 2.5 kg. (Approx.)

### PARAMETERS

#### pH

**Range :** 0-14pH

**Resolution :** 0.01pH

**Accuracy :**  $\pm$  0.01 pH  $\pm$  1 digit

**Input Impedence :**  $> 10^{12}$  ohms

**Temperature Compensation :** 0 - 100°C (Manual)

**Slope Correction :** 80 to 120%

### CONDUCTIVITY

**Range :** 0 to 20 mS/cm in 2 ranges

**Accuracy :**  $\pm$  0.5%  $\pm$  1 digit

**Resolution :** 1 mS/cm

**Oscillator :** 1 KHz in-built

**Cell Constant :** 0.2 to 1.8 adjustable directly on digital display

**Temperature Compensation :** 0 - 50°C adjustable from Temp. Table at 25°C.

### TEMPERATURE

**Range :** 0 - 100°C

**Resolution :** 0.1°C

**Accuracy :**  $\pm$  0.2%  $\pm$  1 digit

**Sensor :** RTD (PT-100)

**Accessories :** pH Combination Electrode, Cond. Cell, Temperature Probe, Operation Manual, Dust Cover, pH Stand, 7 & 4 pH Bottles, Beaker.