

pH, CONDUCTIVITY & TDS METER



- 1) Advance **Micro-controller based System**
- 2) PICO pH Meter complies to **USP and DIN standards.**
- 3) 20 x 2 line back lighted **LCD display**
- 4) Waterproof polyester keyboard with soft keys.
- 5) **Simultaneous measurement of pH, mV and temperature, Conductivity, TDS & Salinity**
- 6) **Password protection** for calibration data and stored Readings.
- 7) Calibration data with date and time stamp for authentication.
- 8) Factory entered CUSTOMER NAME on report printout for authentication.

GENERAL FEATURES:

- 1) This very handy instrument **measures pH, mV and has 40- point data memory storage.**
- 2) Instrument has two operating modes –
 - a) **Standard mode**
 - b) **GLP mode** : 40 data readings can be stored, printed and scanned on display. For GLP mode, additional entries of sample name and ID number can be stored.
- 3) **The optional Data logging function** enables user to store 24 data points consisting of pH, temperature and time readings.
- 4) **Conductivity** is an important factor in water analysis for quality of drinking water, direct ionic concentration measurement in pharmaceutical preparations, waste water treatment plants, pollution control in lakes & rivers, boiler feed water and oceanography to determine salinity and TDS.

PH METER SPECIFICATIONS:

- 1) **pH range:** -2.00 to 19.999
- 2) **Resolution:** 0.001 pH
- 3) **Relative Accuracy:** +/- 0.002 pH
- 4) **Slope:** 3 points 80% to 120%, 5 points 90% to 105%
- 5) **Sensor:** Combination pH electrode
- 6) **Calibration:** Auto-calibration & printout of calibration Report.
- 7) **Millivolt:** mV range 0 to +/- 1999.9 mV
- 8) **Resolution:** +/- 0.1 mV
- 9) **Relative accuracy:** +/- 0.2 mV
- 10) **Input:** 1 BNC, 1 Banana, 1 ATC - PT 100
- 11) **Input Impedance:** > 1012ohms
- 12) **Report format:**
 - a) Report of selected pH & mV reading with temperature.
 - b) Calibration report
 - c) Data table & Graph (optional)
- 13) **Automatic temperature compensation** by Pt.100 temperature sensor. Range 0 to 150 C.
- 14) **3 point (Isopotential) or 5 point** (linear or segmented)
- 15) calibration protocol.

CONDUCTIVITY METER SPECIFICATIONS:

- 1) Conductivity Measuring Range: **Autoranging 0.01 S/cm to 199.9 mS/cm.(Depending on the cell used 0.1/1.0/10.K)**
- 2) **Resolution:** 0.01 (displayed)
- 3) **Accuracy:** 0.5%
- 4) **Input:** 2 - Banana socket for conductivity electrode, 1-ATC-PT100
- 5) **Report Format:**
 - a) Calibration report
 - b) Report of all selected Conductivity, TDS and Salinity
- 6) **Automatic evaluation of CELL constant** with standard solution.
- 7) User selectable temperature coefficient for automatic temperature compensation, through special **TEMPCO key.**
- 8) Input stability indicator for reproducible
- 9) **Error indication** helps the user to trace the problem.
- 10) **Audible beep indication** during valid key operation.
- 11) **PC compatibility for data downloading (optional)**
- 12) **Power Requirement:** 230 Vac, + 10% / 50Hz., 10 W
- 13) **Alphanumeric entries** of sample name, identification number for authentication.
- 14) Facility to view the calibration data. **Calibration reminder alarm**
- 15) Built-in **real time clock (RTC)** for time display and on report printout.