

INSTRUCTION MANUAL

PORTABLE pH METER

SPECIFICATIONS

Range	: 0 to 14.00 pH.
Accuracy	: ± 0.01 pH.
Resolution	: 0.01 pH.
Sensor	: Combination pH Electrode
Display	: 3½ digit LCD.
Dimensions	: 160 (H) x 85 (W) x 25 (D) mm

PANEL INTRODUCTION

ON/OFF	This membrane touch switch is to switch ON the power to the electronic circuit.
Temp.°C	This rotary control is used to compensate for the effect of temperature of the solution under test.

WORKING :

Digital pH Meter housed in a beautiful ABS Plastic Cabinet operates on 9V battery. It measures pH value of any solution with the help of pH electrode. Its operation is very simple. Set the temperature knob to the solution temperature & dip the combination pH electrode in the solution. The display will read actual pH value of the solution.

pH MEASUREMENTS

The pH electrode supplied with the instrument is factory calibrated so instrument is ready to take measurements of any solution as under :

1. Connect the combination pH electrode to the instrument input.
2. Dip the pH electrode in solution under test.
3. Set the temp.knob to the solution temp.
4. Switch on the instrument.
5. Read the pH value on display.

CALIBRATION

In general no calibration is required. In case a new pH Electrode is to be used or for occasional verification the instrument may be calibrated as under :-

1. Prepare standard buffer solution (7 pH & 4 pH) with buffer tablets by dissolving in 100 ml. of distilled water separately.
2. Set the temp. knob to the buffer solution temp.
3. Dip the electrode in 7 pH solution.
4. Set the display value to 7.00 pH by turning CAL screw in the battery compartment with a small screw driver.
5. Dip the electrode in 4 pH sol solution after washing with distilled water.
6. Set the display value to 4.00 pH by turning SLOPE screw in battery compartment with a small screw driver.
7. Reset steps 2 or 3 times.
8. Instrument is ready for measurements of any solution.

ACCESSORIES

1. Instrument
 2. Combined Electrode
 3. 7 pH 4 pH Buffer
 4. 100 ml.. Two Bottles
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