

## Lab PH (Bench Model)™

### INTRODUCTION

The alkalinity or acidity of any solution is denoted by the Ph value of that solution. PH value is the antilogarithm value of Hydrogen ions in the solution. PH value lies between 1 - 14, 1 to 6.9 denotes acidic medium & 7.1 to 14 denotes alkaline medium & 7 denotes neutral. For different chemical tests in textile laboratories PH value is very essential to know. PARAMOUNT *lab PH*™ (Digital) is a latest tabletop model, which gives accurate result of PH value.

### EQUIPMENT

PARAMOUNT *lab PH*™ (Bench Model) is microprocessor control equipment to determine pH value of any type of solutions accurately. Specially designed digital display with automatic polarity indication and decimal positioning eliminates manual errors. It is a dual Display system unit in which the display of pH as well temperature can be read. The unit normally displays the pH value. To read the Temperature press the respective Switch to display the current temperature of the solution being tested.

The indication of pH value is provided by 4 Digit Digital Display. Most reliable & sensitive PT 100 sensor is used for measuring temperature. The Special Glass Electrode gives accurate pH Results. Electrode stand is also provided to keep the electrode steadily while checking the pH value of any solution.

### SALIENT FEATURES

- Microprocessor control equipment to evaluate the Ph value of any solution.
- Digital with microprocessor control.
- With digital display of pH up to two decimal position.
- Specially designed Tabletop model.
- With temperature sensing probe to know the temperature of the solution to be tested.
- Complete with all accessories-Ph-7 & 4 capsules, beakers, and electrode stand. Etc.

**labPH™ (Bench Model)** is Supplied Complete with below Accessories:

Main Unit	:	01 No.
Special Glass Electrode	:	01 No.
Temperature Probe for ATC (PT-100 Sensor)	:	01 No.
Base of Electrode Holder	:	01 No.
Rod of Electrode Holder	:	01 No.
Clamp of Electrode Holder	:	01 No.
Plastic Bottle to keep pH 4.0 & 7.0 Solution	:	02 Nos.
Plastic Graduated Beakers of 250 ml	:	01 Nos.
PH 4.0 Buffer Capsule	:	05 No.
PH 7.0 Buffer Capsule	:	05 No.
Mains Lead With Plug	:	01 No.
Detailed User's Manual	:	01 No.



### TECHNICAL DETAILS

Display	: 4 Digit Digital
Maximum Counts	: ± 1999
Range	: 0-14 pH
Resolution	: pH = 0.01 pH mV = 1 mV
Accuracy	: pH = + 0.01 ph ± 1
Digit (Relative)	: mV = 1 mV ± 1 Digit
Polarity Indication	: Automatic
Electrode	: Display : 4 Digit Digital
Maximum Counts	: + 1999
Range	: 0-14 pH
Resolution	: pH = 0.01 pH mV = 1 mV
Accuracy	: pH = + 0.01
Digit (Relative)	: mV = 1 mV + 1 Digit
Polarity Indication	: Automatic
Electrode	: Special Glass Electrode
Temperature Probe	: PT-100
Temperature Range	: 0-100° Centigrade
A T C	: Automatic Temperature Compensation (From the knob at the front of unit)
Power Supply	: 220 V ± 10%, 50 HZ C Built in Stabilizer.
Overall Dimensions of the Instrument	: 300 (L) x 250 (W) x 100 (H) mm 12" (L) x 10" (W) x 4" (H) Inch.
Net Weight of the Instruments	: 4 Kg. (8.8 lbs)

### RELATED STANDARDS

AATCC 81 – 2001



Corporate Member



An ISO 14001 : 2004 Group  
We Care for our Environment !



Member : Bureau of Indian Standards