

# TECHINCAL DETAILS OF

## *pH* METER (Portable)

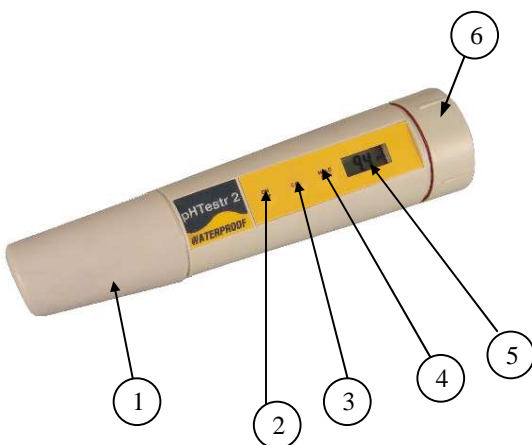
### 1. INTRODUCTION

The alkalinity or acidity of any solution is denoted by the Ph value of the 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 & in dyeing PH value is very essential to know. PARAMOUNT *lab PH*™ (Portable) is a latest handy water proof model for instant checking of PH value .

### 2. EQUIPMENT

**Paramount pH METER** is a latest waterproof microprocessor based equipment which can be carried in pocket for instant checking It has built in ATC (Automatic Temperature Compensation). The pH Meter yields fast, stable and repeatable readings with accuracy  $\pm 0.1$ .with digital display of PH.

### 3. DETAILS OF THE MAIN UNIT OF *pH* METER (Portable)



1. Safety cap for electrode.
2. ON / OFF Switch.
3. CAL – (Calibration Switch).
4. HOLD / CON – (Used in Calibration Mode).
5. Display of the pH value.
6. Battery Compartment.

#### 4. DETAILS OF THE ACCESSORIES SUPPLIED WITH *pH* METER (Portable)



Main Unit



pH 4.0 Buffer Powder  
05 Capsules



pH 7.0 Buffer Powder  
05 Capsules



This User's Manual



Calibration & Inspection  
Certificate

***pH* METER (Portable)** is Supplied Complete with below Accessories:

- |   |   |         |
|---|---|---------|
| 1. Main Unit                                  | : | 01 Nos. |
| 2. pH 4.0 Buffer Powder (Capsules)            | : | 05 Nos. |
| 3. Ph 7.0 Buffer Powder (Capsules)            | : | 05 Nos. |
| 4. This User's Manual                         | : | 01 No.  |
| 5. Calibration Certificate (Traceable to NPL) | : | 01 No.  |
| 6. Inspection & Conformance Certificate       | : | 01 No.  |



Corporate Member



Life Member



Member : Bureau of  
Indian Standards

## 5. SALIENT FEATURES

- Microprocessor based equipment to evaluate the Ph value of any solution.
- Digital with microprocessor control.
- With digital display of Ph up to two decimal position.
- Handy, Portable type can carry anywhere.
- Totally waterproof.
- Specially packed in a case for long life & durability.
- Complete with all accessories-Ph-7 & 4 capsules, beakers, and electrode stand. Etc
- Supplied with inspection & calibration certificate.

## 6. TECHNICAL DETAILS OF pH METER (Portable)

|                                |   |
|--------------------------------|---|
| pH Range                       | : - 0.1 to 15.0 pH  |
| Resolution                     | : 0.1 pH  |
| Accuracy                       | : $\pm 0.1$ pH  |
| ATC                            | : Yes   |
| Calibration                    | : 3 Point (4.0, 7.0 & 10.0)   |
| Auto Power (Off/Hold)          | : Yes   |
| Auto – Buffer Recognition      | : Yes (4, 7 & 10)   |
| Battery Life                   | : 3 x 1.4V (Type : A76, LR44, V13GA) ; > 60<br>Hours.                             |
| Overall Dimensions of the unit | : 175 (W) x $\phi$ 40 (D) x $\phi$ 40 (H) mm<br>7” (W) x 1.5” (D) x 1.5” (H) Inch |
| Overall Dimensions of Unit     | : 93 Gms. (2.046 lbs)   |
| Dimensions of Box              | : 200 (W) x 68 (D) x 48 (H) mm<br>8” (W) x 2¾” (D) x 2” (H) Inch                  |
| Net Weight of the Box          | : 88 Gms. (1 936 lbs)   |

**NOTE : With our constant endeavour to improve & excel, we reserve the right to alter the specification or modify the appearance without notice.**