



User Guide

PH-Meter

Important:

The instrument's pH range must be re-calibrated when-ever:
The electrode has been used (laid) for long time from the last calibration.
The electrode has been used in particularly taxing conditions.
The utmost accuracy is re-quired.
Or when replacing the electrode with a new electrode-

Electrode Replacement:

1. Remove the protective cap.
2. Unscrew the plastic ring on the top of the electrode.
3. Pull out the pH electrode and replace it with a new one, make sure the gaskets are in place before screwing back the ring.

Battery Install:

If the meter cannot be switched on or the display fades, then it is time to change the batteries. Unscrew the battery compartment cap on the top of the meter, and pull out the battery case and re-place batteries. Pay attention to the polarity of battery.

Warranty:

These instruments are warranted from all defects in material and manufacturing, for a period of one year from the date of purchase. If during this period, a repair or the replacement of parts is required, where the damage is not due to negligence or incorrect operation by user, please return the parts to your dealer, and the repair or replacement will be done free of charge.

Specifications for PHM-100:



Measure Range: 0.00~14.00PH
Resolution: 0.01PH
Accuracy: ± 0.1 PH
Operating Temperature: 0°C ~ 50°C
Automatic Temperature Compensation: 0°C ~ 50°C
Power Supply: 4 x 1.5v (AG-13 Button Battery)
Calibration: Manual.
Dimensions: 188mm x 35mm x 35mm
Weight: 98g

Operating Instructions:

Remove the protective cap.

First rinse the electrode with distilled water, and suck it with filter paper.

Turn the meter on by pressing the ON key.

Immerse the pH meter electrode in the solution to be tested.

Stir gently and wait for the reading to stabilize.

Press the "HOLD" key, the reading is kept. When re-peat measuring, please press the "HOLD" key again, it automatically relieves the hold condition.

After use, rinse the electrode with water to minimize contamination. Turn the meter on by pressing the OFF key.

Always replace the protective cap after use.

PH Calibration:

Immerse the electrode in pH 6.86(or pH7.00) standard buffer solution of phosphate, and gently shake it.

Allow the reading to stabilize and with a small screwdriver turn, the calibration trimmer beside the battery until the display shows is corresponding the calibration solution. Rinse the electrode with distilled water, and suck it with filter paper.



Immerse the electrode in pH4.01 or pH9.18 (pH10.0) the standard buffer solution of borax.

After about one minute, until the display shows "4.01 "or "9.18" ("10.0"),

Notes:

The glass bulb of the electrode is fragile. Treat it carefully. Do not touch it by hard tools and fingers. Suck the water on it gently when cleaning.

Clean the electrode with distilled or ionized water every time before and after use.



Change log

Date of change	Change	Version
24-10-2019	New design	001

