

## Important:

The instrument's pH range must be re-calibrated whenever:

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 required.

Replace the new electrode.

## Battery Install

If the meter can not be switched on or the display fades, To change batteries. Unscrew the battery compartment cap on the top of the meter and pull out the battery case and replace batteries. Pay attention to the polarity of battery.

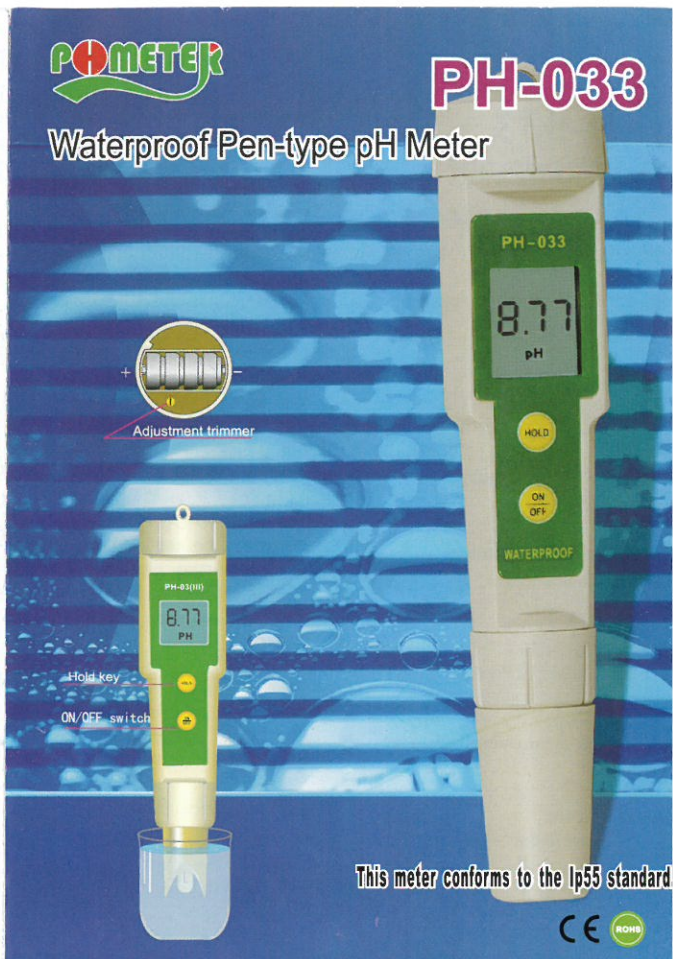
## Electrode Replacement

- 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.

## 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, the repair or the replacement of parts is required where the damage is not due to negligence or erroneous operation by user, please return the parts to either dealer or our offices, and the repair will be effected free of charge.



## PH-033 Waterproof Pen-type pH Meter

### Specifications

- Measure Range:0.00~14.00PH
- Resolution:0.01PH
- Accuracy:  $\pm 0.1$ PH
- Operating Temperature:  $0^{\circ}\text{C}\sim 50^{\circ}\text{C}$
- Automatic Temperature Compensation: $0^{\circ}\text{C}\sim 50^{\circ}\text{C}$
- Power Supply:  $4\times 1.5\text{v}$ (AG-13 Button Battery)
- Calibration: Manual, at one point through trimmer
- Dimensions:  $188\text{mm}\times 35\text{mm}\times 35\text{mm}$
- 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 be kept. When repeat 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.

