SPECIFICATIONS

Range 0.00 to 14.00 pH

Resolution 0.01 pH **Accuracy (@25 °C)** ±0.1 pH

Calibration Manual, at 2 points

through trimmers

pH electrode MA73600 or

(replaceable) MA73600-S

Environment 0 to 50°C; 100% RH **Battery type** 3 x 1.5V, alkaline

Battery life more than 1500

hours of continuous use

Dimensions 165 x 30 x 30 mm

Weight 80 g

ACCESSORIES

M10004B

MA73600 Replaceable pH electrode

MA73600-S Replaceable pH long

electrode

M10007B pH 7.01 buffer solution,

20 mL sachet (25 pcs) pH 4.01 buffer solution,

20 mL sachet (25 pcs)

M10010B pH 10.01 buffer solution,

20 mL sachet (25 pcs)

M10000B Electrode rinse solution, 20 mL sachet (25 pcs)

MA9015 Electrode storage solution,

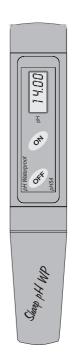
220 mL bottle

MA9016 Electrode cleaning solution,

220 mL bottle



USER MANUAL pH54 Waterproof pH-meter



Contact:

EASTERN ENERGY CO.,LTD. (HEAD OFFICE)

40/4 Vitoondumri Rd., Banbueng, Banbueng, Chonburi Tel: 0-3844-6117 Fax: 0-3844-6200

Email: info@ete.co.th

www.ete.co.th

This meter is in compliance with the CE directives.

CONDITIONING:

Remove the cap and immerse the *pH54* in **MA9015** storage solution for 2 hours to activate the electrode.

CALIBRATION:

Unscrew the battery compartment cap on the top of the meter and perform one of the following two-point calibration procedure, according to the required application:

Acid calibration for measurements below pH7:

- Immerse the electrode in pH7.01 (M10007) buffer solution.
- Allow the reading to stabilize and with a small screwdriver turn the "7" calibration trimmer inside the battery compartment until the display shows "7.01".
- Rinse the electrode with tap water and immerse it in pH4.01 (M10004) buffer solution.
- Allow the reading to stabilize and with a small screwdriver turn the "4" calibration trimmer until the display shows "4.01".

Alkaline calibration for measurements above pH7:

- Immerse the electrode in pH7.01 (M10007) buffer solution.
- Allow the reading to stabilize and with a small screwdriver turn the "7" calibration trimmer until the display shows "7.01".
- Rinse the electrode with tap water and immerse it in pH10.01 (M10010) buffer solution.
- Allow the reading to stabilize and with a small screwdriver turn the "4" calibration trimmer until the display shows "10.01".

Replace the battery compartment cap.

OPERATION:

- · Remove the protective cap.
- Turn the *pH54* on by pressing the ON key.
- Immerse the electrode in the solution to be tested.

- Stir gently and wait for the reading to stabilize.
- After use, rinse the electrode with water to minimize contamination.
- Store the electrode with a few drops of storage (MA9015) or pH7 (M10007) solution in the protective cap.
- Always replace the protective cap after use.
 NEVER USE DISTILLED OR DEIONIZED WATER FOR STORAGE PURPOSES.

ELECTRODE REPLACEMENT:

The electrode can be easily replaced in the following way:

- · Remove the protective cap.
- Unscrew the plastic ring on the top of the electrode.
- Pull out the MA73600 (or MA73600-S) pH electrode and replace it with a new one (aligning the colored pin towards the LCD side).
- Make sure the gaskets are in place before screwing back the ring.

BATTERY REPLACEMENT:

The *pH54* is going to turn off when the batteries are to weak. To replace the batteries unscrew the battery compartment cap and replace all three 1.5V batteries while paying attention to their polarity. Make sure the gasket is in place before screwing back the cap.

Batteries should only be replaced in a nonhazardous area using the battery type specified in this instruction manual.

WARRANTY:

This meter is warranted from all defects in materials and manufacturing for a period of **two years**. The **electrode** is **warranted for a period of one year**. During this period, the required repair or replacement of parts, where the damage is not due to negligence or erroneous operation by the user, will be effected free of charge.