



PHH-103B

pH/mV/Temperature Meter

INSTRUCTION
SHEET

M4936B-0813

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pH/mV/Temperature Meter

The PHH-103B is a Microprocessor based designed. The rugged housing and splash proof keyboard make the PHH-103B ideal for measurements outside of the laboratory. The large LCD displays pH and temperature values simultaneously, or can show millivolts. The PHH-103B has five memorized buffer values for fast, convenient and accurate calibration. User can perform a one-point calibration at any of these values, or a two-point calibration using any of the remaining buffer values, or adjust buffer values as needed under calibration mode and flash status by UP and DOWN key. The LCD display will indicate percentage of slope (PTS) to show the status of electrode after slope calibration. The PHH-103B has low battery consumption indicator and will auto shut off after 10 minutes of non use.

Specifications:

Range: 0.00 to 14.00 pH, ± 1999 mV, 0 to 100°C

Accuracy: 0.02 pH, 2 mV, 0.3°C

Resolution: 0.01 pH, 1 mV, 0.1°C

ATC: 0 to 100°C

Calibration: pH 1.68, 4.00, 7.00, 10.01, 12.45

Battery: 9V

Dimensions: 108 x 75 x 30 mm

Weight: 135 g (with battery)

Accessories:

Upon receiving the shipment, inspect the container and equipment for any signs of damage. Remove the packing list and verify that you have received all equipment: Meter, pH electrode, temperature probe, Buffer solution 4.00 & 7.00, Battery 9V, Operating manual and rubber protective holster

Operating Procedure:

Preparation:

1. Open the battery compartment and connect the 9V battery.
2. Remove the protection cap from the electrode and connect to BNC input.

3. Turn on the power switch.

4. Rinse the electrode with clean water and wipe it dry.

Calibration:

1. Dip and stir the electrode into the buffer solution pH 7.00. Press and hold CAL key 3 second to into calibration mode. The display will appear CAL and flash 7.00. When the display stop flashing then it's end of calibration
2. Dip and stir the electrode into the buffer solution pH 4.00 and same as step 1.
Note: Calibration value can be adjusted as your buffer solution value under CAL mode and flash status by UP and DOWN key. For example, pH 6.86 instead of pH 7.00
3. After slope calibration, the LCD display will indicate percentage of slope (PTS) to show the status of electrode.

Measurement:

1. After calibration, rinse the electrode with clean water and wipe it dry. Dip the electrode into sample solution to be measured. Stir gently and wait until a stable reading can be obtained.
2. Press pH/mV key to change pH or ORP mode as needed.

Others:

1. Degree C and F can be changed by press and hold pH/mV key 3 second.
2. Automatic temperature compensation(ATC) mode by insert temperature probe. Manual temperature compensation mode by up and down key.
3. Auto shut off after 10 minutes of non use.
4. Change a new battery when the battery indicator flashing.

Applications:

Floriculture, Fish farming, Agriculture, Swimming pool & Spa, Waste water, Plating industry, Food industry, Pharmaceutical & Medical, Cooling towers and Chemical industry.



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The purchaser is responsible for shipping charges, freight, insurance and proper packaging to prevent breakage in transit.

FOR **WARRANTY** RETURNS, please have the following information available BEFORE contacting OMEGA:

1. Purchase Order number under which the product was PURCHASED,
2. Model and serial number of the product under warranty, and
3. Repair instructions and/or specific problems relative to the product.

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1. Purchase Order number to cover the COST of the repair,
2. Model and serial number of the product, and
3. Repair instructions and/or specific problems relative to the product.

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