

Thank you for choosing Reef Fanatic pH monitor. Our pH monitor is equipped with automatic temperature compensation, and powered by a 9V AC adaptor (included). The monitor will continuously monitor and display both pH and temperature reading.

**Caution:** Please note that the pH monitor is NOT waterproof and MUST be operated on a dry surface.

#### Package Check List

1. One pH monitor (base unit)
2. One pH probe
3. One temperature probe
4. One 9V AC adaptor
5. One pH4 calibration buffer
6. One pH7 calibration buffer

**Note:** You will also need a cup of RO water (room temperature recommended) before you begin the setup procedure.

#### Setup

**Please note that you MUST calibrate a new pH probe using pH7 calibration buffer first.**

1. Connect the pH probe to the BNC input terminal of the base unit.
2. Connect the temperature probe to the mini RCA input terminal (located between the BNC and power input terminal) of the base unit.
3. Connect the 9V AC adaptor to the base unit. At this point the pH monitor will turn on.
4. Remove the protective cap from the pH probe.
5. Rinse the tip of the probe with RO water and gently shake off the water.
6. Press and hold down the "Cal" button for 3 seconds. The pH reading display will flash indicating that the monitor is in the calibration mode.
7. Dip the tip of the pH probe and the temperature probe in pH7 calibration buffer. Wait approximately 15 seconds for the pH reading to stable.
8. Press the "pH7" button and the pH value should be read 7.00. Please note that if the pH calibration buffer temperature is not at 25°C (77°F), the pH value may NOT read 7.00. This is fine.
9. Rinse the tip of the pH probe and temperature probe with RO water and gently shake off the water.
10. Repeat step 7 to 9 using pH4 calibration buffer. Remember you MUST press the "pH4" button in these steps, NOT the "pH7" button.
11. Rinse both probes and place them in the water that you want to take the readings.

#### Maintenance

- Clean the probe tip and the temperature probe gently with a soft toothbrush once every month.
- The pH probe should be replaced when it cannot be calibrated any longer.

#### Important

- Reef Fanatic pH monitor is NOT waterproof and MUST be operated on a dry surface.
- The protective cap MUST be removed from the probe tip prior to use.
- You may find the white residue around the protective cap of the pH probe. This is normal. The residue can be washed off with water.
- The pH probe tip MUST be kept wet at all time.
- The temperature probe does NOT require any calibration by the end user. This process is done at our factory.

#### Warranty

- Reef Fanatic offers a one year limited warranty from the purchase date. A proof of purchase is required for warranty claim.
- Removal or alteration of the serial number will void warranty.
- Any defective product MUST be sent freight prepaid with a proof of purchase supporting the warranty claim to Reef Fanatic Inc. Replacement or repair will be at the discretion of Reef Fanatic Inc.
- If you have any further questions, please email us at [reef@reeffanatic.com](mailto:reef@reeffanatic.com).

#### Specification

Voltage: DC9V

Display: Two sets of 0.56" LED display

pH Range: 0pH to 14pH

Resolution: 0.01pH

pH Accuracy:  $\pm 0.02$ pH after calibration

Temp Accuracy:  $\pm 1.0$ °C

Operating Temperature: 5°C to 50°C

Operating Humidity: Less than 90%



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