

1. pH-Measuring and Regulating Unit

This unit has two functions:

1. The pH value in water is measured by means of the probe and is indicated on the digital display.
2. An external unit, usually a solenoid valve or a dosing pump is switched on and off automatically in relation to the measured value and the set point.

2. Set Point Adjustment

1. Plug the pH measuring and regulating unit into a socket.
2. Switch on "set point".
Now the set point value is being indicated.
3. Adjust the set point value to the required operation point with the rheostat "set point adjustment" (i.e. 350 mV for aquarium applications).
4. Return the set point switch to measuring value.
5. The switch for changing the direction of switching enables the plug socket being power connected either if the measuring value is lower or higher than the set point. If the switch is set up the plug socket is connected to power if the set point exceeds the measuring value. If the switch is set down, the plug socket is connected to power if the set point is lower than the measuring value.
6. Plug in the unit which has to be controlled (usually a solenoid valve or a dosing pump) into the pH-meter. The current consumption of this unit should not exceed 8 A Öhm.

3. The Electrode

Pull off the protective cap from the electrode head and foot and keep them on a safe place.

Dive in the electrode into streaming water so that the sensor is rinsed well. The measuring value will be stabilized after approx. 15 to 30 mins.

If the probe is kept outside the water the sponge which is in the protective cap has to be dampened and then to be redrawn onto the electrode foot. The probe's function will be restricted if it gets dry. To avoid it getting greasy do not touch the electrode foot!

4. Calibration

There are two flasks of calibration solution added to the unit: one solution pH 7 and one solution pH 4 (resp. pH 9). Before calibrating we recommend to put the probe 24 hours into water (tap water or tank water). Then immerse the probe into the pH 7 solution for approx. 5 mins. and, if necessary re-adjust the unit with the adjusting rheostat pH 7. Clean the probe with tap water and immerse it into the second flask of pH 4 (or pH 9) solution. After 5 mins. adjust the indication with the rheostat "pH 4" to pH 4 (pH 9).

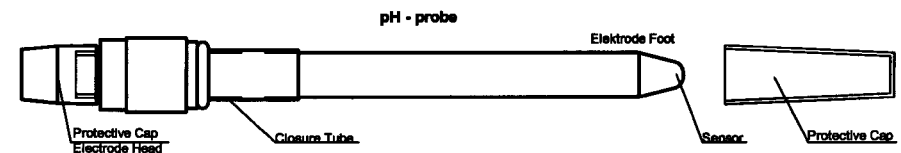
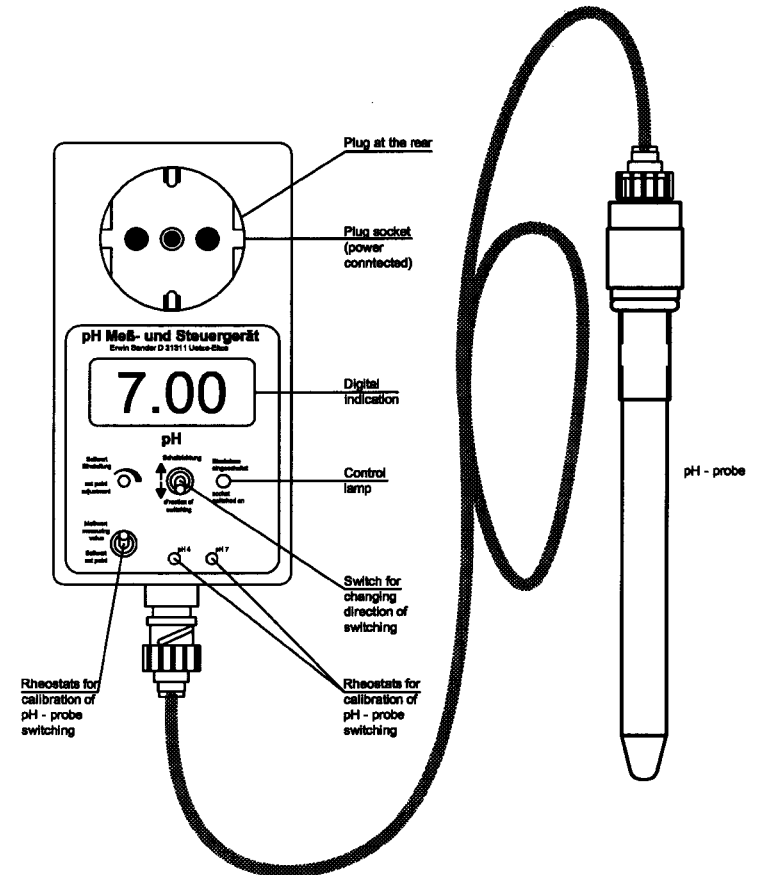
For additional control clean the probe again with tap water and immerse it once again into the pH 7 solution. If necessary re-adjust again.

We recommend calibrating your probe every 4 weeks.

The plug socket is connected to the mains supply! Avoid any contact with water!
The unit has to be installed at a dry place!

In case of guarantee or repair send the measuring unit together with the measuring probe

Instructions for Use



Erwin Sander

Aquarientechnik
Am Osterberg 22 D-31311 Uetze-Eltze
<http://www.aqua-sander.de>

Tel.: +49 (0) 5173 971-0
Fax: +49 (0) 5173 971 197

e-mail: info@aqua-sander.de