

Instruction Sheet: pH Probe

The pH probe sensor must be used in conjunction with a Logbook datalogger.

Calibrating the pH probe sensor in Logbook Graphing using a Logbook GLE datalogger:

- Prepare some pH 7 buffer solution.
- Remove the protective soaker bottle from the end of the probe sensor, by turning clockwise, looking at the covered end of the probe sensor. Check that the plastic shroud around the glass bulb is in place before using the probe sensor.
- During shipment it is possible for air bubbles to move into the glass bulb. To remove the air, shake down the electrode in the same manner as a clinical thermometer until the glass bulb is filled with solution.
- Connect the pH probe to the sensor using the bnc cable and plug the pH sensor into the GLE datalogger.
- Connect the GLE datalogger to the PC via USB, open Logbook Graphing and you will see a meter screen that shows the pH sensor in one of the channels.
- Place the pH probe into the pH 7 buffer solution, agitate and leave to settle for a few minutes.
- Select the set 7 button on the meter screen in Logbook Graphing and this will calibrate your pH sensor to pH7.
- Note that the probe sensor contains sensitive electronics. Mains interference can occur from transformers in mixers and other electrical devices.
- Due to variations inevitable in the construction of the sensor bulbs, each probe sensor will react at different speeds, and each sensor's reaction times will improve with use, after long storage (a few days).

