

XLlogger

pH Sensor XLS1005



Technical Specifications

pH range: 0 - 14

Resolution: ± 0.006

Electrode: complex electrode (standard comparative electrode and glass electrode Ag/AgCl)

Response Time (90%): ~ 1 s

Operation Temperature Range: 10°C - 50°C

Gauging principle: Gauge the potential difference according to the different H⁺ ion concentrations

Instructions

- The pH sensor may be used without calibration or it may be calibrated using the XLlogger software and appropriate buffer solutions (pH 4.0, 7.0, 10.0).
- The electrode should only be immersed in experimental solutions for a maximum of 5 minutes.
- The pH sensor should not be used with acid/alkali concentrations more than 1.0M to prevent damage to the electrode.

Storage

- After use clean out the electrode with distilled water and carefully remove moisture with filter paper.
- The electrode must be stored with the supplied screw-on plastic cap in place. This cap is supplied with an amount of pH 4.0 buffer solution sufficient to immerse the tip of the electrode.
- For short periods the electrode may be kept with the tip immersed in either pH 4.0 or 7.0 buffer solutions, but for longer periods the electrode must be kept in pH 4.0 buffer solution.

- If the electrode has been allowed to become dry then it must be soaked in pH 4.0 buffer solution using the supplied plastic cap for at least 2 hours before use.