

LogIT^{□□} pH Amplifier



□ Overview

The Microsense pH amplifier allows most standard pH probes to be used directly with LogIT systems. A BNC socket is fitted for connection to most standard probes but an adapter can be used for older coaxial types.

□ In Use

Plug the pH amplifier into your data logger and then plug your electrode carefully into the amplifier. Only use the adapter plugged in directly to the data logger - do not use it with sensor extension leads as the amplifier may become unstable. The amplifier electronics and software are calibrated to work with standard 'brand new' pH electrodes which have an output of 59.1mV per unit of pH @ 25°C. Some software, such as Insight and LogIT advanced, allows accurate recalibration to standard buffer solutions if required.

Most data logging activities are concerned essentially with recording trends of change rather than absolute accuracy and so temperature compensation is often not required. However LogIT Advanced software for IBM PC and compatibles does give automatic temperature compensation when used with a ProTemp temperature probe.

□ Care

The pH amplifier is not waterproof and care should be taken not to let liquid, dirt or steam get inside. It contains sensitive microelectronics which must remain protected from physical and electrostatic damage. Never disassemble the unit.

□ Specifications

- Range: 0 to 14 pH
- Resolution: 0.1 / 0.01pH - depending on software
- Accuracy: +/-2% @ 25°C + electrode accuracy
- Input Impedance: $10^{12} \Omega$

Designed & manufactured in Great Britain

www.dcpmicro.com

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