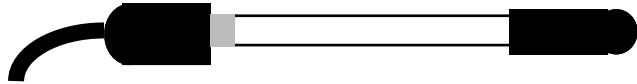


LogIT^{□□} pH Amplifier & Electrode Set

This set contains the following:

- 1 LogIT pH Amplifier
- 1 pH Electrode

pH Electrode



□ Overview

This is a standard Gel filled pH electrode for use with the LogIT pH amplifier supplied in this pack. The reference electrolyte cannot be replaced in this type of electrode as it is sealed for life.

□ In Use

All pH electrodes lose accuracy and calibration as they become old - they will last longer if the bulb is kept wet and are generally well cared for. Some data logging software allows recalibration of pH sensors - often software has a facility called tare or offset. To make full use of this facility you will need to prepare a buffer solution of known pH and then tare or offset to the probe's value.

□ Care

pH electrodes should not be wiped dry or allowed to dry out. When stored for any length of time they need to be stored wet and checked regularly. They can be cleaned using de-ionised water.

A comprehensive set of care instructions is included with the electrode - please note that the reference electrolyte cannot be replaced.

□ Specification

The actual specification of individual electrodes varies but a computer test sheet detailing the probes specific quality test is included.

Over/...

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 2 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: 10¹² Ω

Designed & manufactured in Great Britain
www.dcpmicro.com

DCP086-1 ED/SI

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