

PHAMP-1 pH Preamplifier

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General Description

The PHAMP-1 is a unity gain preamplifier which convert the high impedance mV signal of a pH or ORP electrode to a low impedance signal which can travel 1,000 feet over ordinary wire and connectors not only to pH meters and controllers (such as the INFCPH) which are designed with high impedance input circuitry, but also to Process Meters and controllers such as the IDP and INFP which can not otherwise register the high impedance signal.

In many applications the PHAMP-1 Preamp will also extend the useful life of expensive pH electrodes, lowering the output impedance of an aging electrode allowing it to continue providing a measurable signal.

The PHAMP-1 is powered by lithium batteries with an estimated life of 5 years when used with high input impedance instruments.

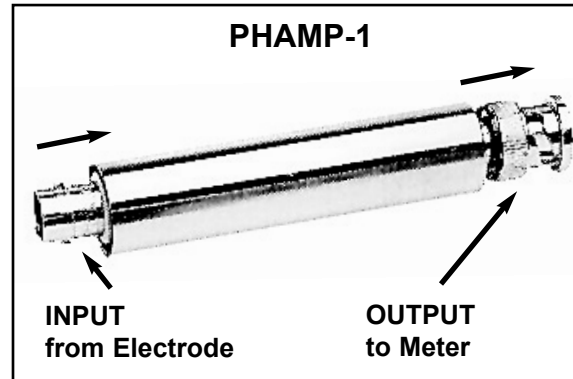
The electrodes are entirely encapsulated in an epoxy filled stainless steel enclosure. The input and output connections are industry standard BNC. The output can be split from coaxial to separated leads with a BNC to the Banana plug adapter (part number 3073/N).

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Operating Instructions

1. Plug it in.



Specifications

Output Offset:	1 mV typical; 2 mV max. which corresponds to .033 pH
Input Impedance:	10^{13} Ohms
Output Impedance:	20 K Ohms
Output Voltage:	-2000 mV to +2000 mV
Operating Temperature:	0 to 60°C
Dimensions:	95.25 cm L x 17.8 cm D (3.75" x 0.7")
Weight:	5.7 g (2 oz.)

PHAMP-1

pH/ORP Pre-amplifier

Operator's Manual

