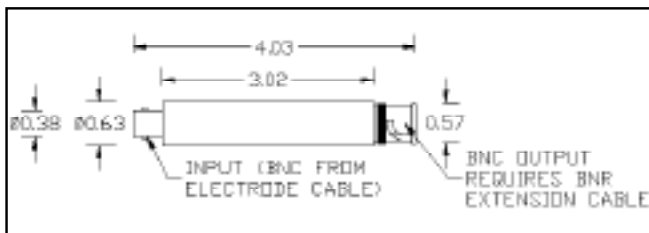


# PHAMP-1 Battery-Powered pH/ORP Pre-Amplifier



## Specifications

<b>Dimensions</b>	0.63" diameter x 4.00" length (see outline drawing below)
<b>Materials of Construction</b>	Stainless steel
<b>Power Requirement</b>	Powered by two 3-volt Lithium cells not replaceable
<b>Input</b>	pH or ORP electrode with BNC connector impedance <math>10^{13}</math> Ohms
<b>Output</b>	mV unity gain, <math><20,000</math> Ohms resistance
<b>Output Offset</b>	2 mV max (0.03 pH units)
<b>Operating Temperature</b>	0-60 deg C
<b>Weight</b>	2 Oz. (5.87 grams)



**Provides for long cable runs**

**Extends electrode service life**

**Easy installation**

**Works with almost any make or model pH/ORP controller**

**Lithium cells for long service life**

The PHAMP-1 is a battery-powered unity-gain preamplifier that allows the user to run cables up to 1000 feet between the electrode and pH/ORP controller/meter. The PHAMP-1 should be located close to the electrode for optimum use. High impedance pH signals are reduced from megohms to under 20,000 ohms. By locating the device near the electrode, the service life of the electrodes can be enhanced through the elimination of noise from cable runs. Sealed to keep out moisture, the PHAMP-1 is self powered by two three-volt lithium cells and has an estimated lifetime of three years. Simply plug in any pH or ORP electrode equipped with a BNC connector, plug in the extension cable and then you are finished!

## Ordering Information

Part No.	Description
PHAMP-1	PHAMP-1, sealed battery-powered universal pH preamplifier. Estimated 3-5 year life
EXT CABLE BNR/?-cable length in feet	Extension coaxial cable (up to 1000ft)

**Parts covered by this product data sheet include:**  
PHAMP-1



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