

# pH Phidget



For applications involving water quality and chemistry, this module is a great addition to your collection. You can use this adapter to measure one pH or voltage-based probe that uses a BNC connector. The ADP1000 connects to a port on a **VINT Hub**. See the “compatible products” tab for a list of hubs.

## Isolated for Stability

The VINT connector on this board is electrically isolated from the probe connection, which allows the probe to be used in a solution that is electrically noisy. For example, it could be used in a tank containing pumps and other electronic equipment without any problems.

## Product Specifications

### Sensor Properties

Controlled By	VINT
<b>±400mV Range</b>	
Voltage Resolution	40 $\frac{1}{4}$ V DC
Measurement Error Max	$\pm 0.1$ %
Sampling Interval Max	60 s/sample
Sampling Interval Min	50 ms/sample
Voltage Noise	65 $\frac{1}{4}$ V DC

### PHSensor Mode

pH Resolution	0.0007
Measurement Error Max	$\pm 0.1$ %
Sampling Interval Max	60 s/sample
Sampling Interval Min	50 ms/sample
pH Noise	0.0011

### ±2V Range

Voltage Resolution	200 $\frac{1}{4}$ V DC
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Measurement Error Max      $\pm 0.5 \%$   
Sampling Interval Max     60 s/sample  
Sampling Interval Min     50 ms/sample  
Voltage Noise             235  $\mu$ V DC

**Voltage Sensor**

Sensor Input Impedance    1 T $\Omega$   
Number of Voltage Inputs  1

**Electrical Properties**

Current Consumption Min   6 mA  
Current Consumption Max   \* 10 mA

**Physical Properties**

Operating Temperature Min -40  $^{\circ}$ C  
Operating Temperature Max 85  $^{\circ}$ C

\* – Varies depending on selected data interval. See the technical section of the User Guide for details.