

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

$\pm 400\text{mV}$ Range

Voltage Resolution	40 μV DC
Measurement Error Max	$\pm 0.1\%$
Sampling Interval Max	60 s/sample
Sampling Interval Min	50 ms/sample
Voltage Noise	65 μV 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

$\pm 2\text{V}$ Range

Voltage Resolution	200 μV 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 μ V DC

Voltage Sensor

Sensor Input Impedance	1 T Ω
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.