

pH Sensor Data Sheet



Title	Vernier pH Sensor
TI Item Name	n/a
Vernier Order Code	PH-BTA
Included in	pH Sensor
Quantity	1
Description	Use the pH Sensor just as you would a traditional pH meter with the additional advantages of automated data collection, graphing, and data analysis See Also: User Manual
Category	Environmental Sensors
Hub Connection	TI-SensorLink Adapter for TI-Innovator™ Hub
Assembly Instructions	N/A
Precautions	Place the electrode in pH 4 or pH 7 buffer solution. It should never be stored in distilled water. If the electrode is inadvertently stored dry for a short period of time, immerse the tip in the pH 4 buffer/KCl storage solution for a minimum of 8 hours prior to use.
Specifications	<ul style="list-style-type: none">• Type: Sealed, gel-filled, epoxy body, Ag/AgCl• Response time: 90% of final reading in 1 second• Temperature range: 5 to 80°C (readings not compensated)

Title	Vernier pH Sensor
	<ul style="list-style-type: none"> Range: pH 0–14 Accuracy: +/- 0.2 pH units Isopotential pH: pH 7 (point at which temperature has no effect) Default calibration values: slope: –3.838, intercept: 13.720 Shaft Diameter: 12 mm OD <p>See Also: Full Specifications here.</p>

HUB Commands

Sketch Object VERNIER

Command Syntax

Code Sample:	Desired Action	Code Sample
	Read the pH from the attached Vernier sensor	<pre>Send "CONNECT VERNIER 2 TO IN2 AS PH" Send "READ VERNIER 2" Get P</pre>