

pH Sensor Data Sheet

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| 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) 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 See Also: Full Specifications here . |

HUB Commands

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|---------------|---------|
| 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> |

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