PH-1* - pH Meter Accessory for iPhone®/iPod®

* PATENT PENDING

Made for
iPod iPhone

- Measures pH with accuracy to .01 pH
- Displays both ambient and solution temperature
- Supports 1, 2, 3 or more calibration points
- Records measurements with timestamp and geographic coordinates
- View data history by date or location
- Sends readings by e-mail(individual or .csv file)

Measure and record pH values in the lab or field using the PH-1 accessory. The supplied app provides real time display of pH, millivolts, ambient temperature and solution temperature. Simply plug in the PH-1 to your iPhone® or iPod® and follow instructions to download your FREE app from Apple™ Apps Store.® iPad users can also run this app. An iPad® optimized version is scheduled for July 2012 release. Requires OS 4.0 or higher.

Specifications

pH Measuring Range		0-14
mV Measuring Range		-1250 to 1250mV
Solution Temperature Range		0-100° C
Ambient Temperature		0 to 40° C
Accuracy/Resolution		
	pH	+/- 0.01pH**
	mV	+/- 1mV
	Soln Temp	+/- 0.1° C**
	Ambient Temp	+/- 2° C***
Analog to Digital	pH/mV	13bit
	Temperature	10bit
Power Supply		from iPhone/iPod
Power Consumption		
	operating	<5mA****
	standby	<3mA
pH Sensor Connection		BNC
Temperature Connection		Sub-mini plug
Temperature Sensor		30K NTC

** After Calibration
*** Option +/- 0.5° C (0° C to 40° C) factory calibration
**** May consume more than 5mA during authentication (less than 2 seconds)

Notes:
® iPhone®, iPod® and iPad® are trademarks of Apple Inc., registered in U.S. and other countries.

™ Apple and Apple App Store are registered trademarks of Apple Inc.

Parts covered by this product data sheet include:
PH-1, PH1-200, PH1-293

Applications:

Environmental testing and monitoring
When used with a GPS enabled device, the pH Meter app will record where and when your measurements were taken. Results can be grouped by location or date, and emailed to a central records office. Using the pH Meter app eliminates the chances or transcription errors, and improves efficiency.

Education
Ideal for the classroom – the pH Meter application makes it fun to measure and record pH values. It is an excellent tool for teaching the chemistry of acids/bases, and introductory electrochemistry. Students can install the app on their own iPod or iPhone, and share a single sensor for experiments.

Industrial
Suitable for any process where pH measurements are routinely performed. By recording the pH value with a time stamp and location, this app eliminates any chance of mistakes when recording readings. Works with location aware devices to log the coordinates where readings were taken for analysis and auditing purposes.

Ordering Information

Part Number	Description
PH-1	pH Meter Accessory for iPhone/iPod (pH electrode sold separately, iPod or iPhone not included).
S200C/BNC	Combination pH electrode epoxy body, 30" cable BNC connector
S293/30K/BNC/2.5	3-in-1 pH/Ref/ATC electrode for use with ODM PH-1.
PH1-200	Kit, includes 1 each pH-1, 1 each S200C/BNC pH electrode
PH1-293	Kit, includes 1 each pH-1, 1 each S293C 3-in-1 pH/Reference/ATC electrode

Sensorex®

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Simultaneous display of pH and mV readings

Simultaneous display of Ambient and solution Temperature
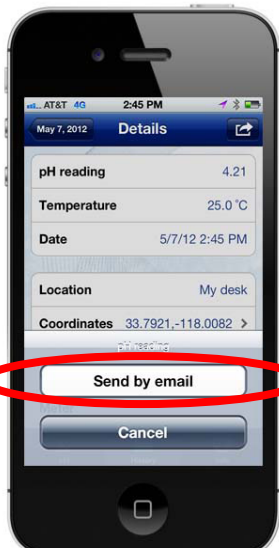

Allows for calibration with any number of pH buffers
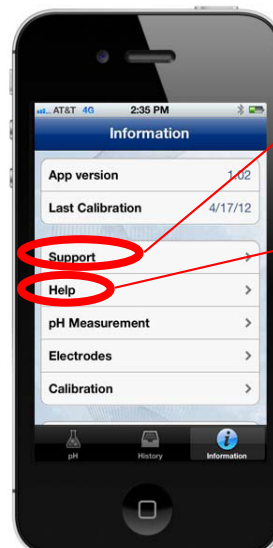
"Zero-point" calibration restores calibration to unity gain and zero offset

Stores pH data with time and date , location, electrode information and user ID

Sends data by-mail as .csv file (compatible with Microsoft Excel)

Includes Support and Warranty Information for Hardware, software and electrodes

Includes Help for taking measurements, recording readings details on temperature measurements

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Distributed by: TheWaterTreatmentStore.com   1-877-792-8376

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