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

Made for
□ iPod □ iPhone

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® optimised version is scheduled for July 2012 release. Requires OS 4.0 or higher.

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.
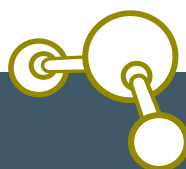

PH-1 pH Meter for iPhone, iPod and iPad

Turn your iPhone®, iPod® or iPad® into a pH meter. Record all your readings with the time, temperature, GPS coordinates and your own labels rights from your Apple™ iOS device. Later you can send one or all your readings by e mail. Compatible with all iOS 4 or higher devices.

Features

- 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)

www.camlab.co.uk

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:
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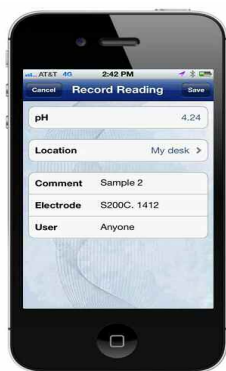

simultaneous display of pH and mV readings

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 offset

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

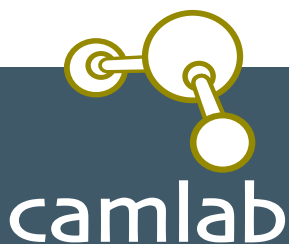**sends data by mail as .csv (compatible with Microsoft Excel)**

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

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

Ordering Information

Part Code	Description
1191440	PH-1 iPhone adapter only (electrode sold separately, IPod/IPhone not included)
1191444	Kit - PH-1 iPhone adapter and 3-in-1 pH reference/ATC electrode
1191443	Kit - PH-1 iPhone adapter with standard S200C/BNC pH electrode
1191441	3-in-1 pH reference/ATC electrode for use with PH-1

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