



Since 1977

Global Electronics

(An ISO 9001-2008 Company)

3-5-331, Narayanguda, Hyderabad 500 029 India

Tel: 040 2322 6687, 23221391 Fax: 23222484

Email: info@ge-india.com, URL: www.ge-india.com

[PH-1-VLC* · pH Meter Accessory for iPhone® / iPad® / iPod®](#)

Measure and record pH values in the lab or field using the PH-1-VLC accessory for iPhone® / iPad® / iPod®. The supplied app provides real time display of pH, millivolts, ambient temperature and solution temperature. Simply plug in the PH-1-VLC into your iPhone®, iPad® or iPod® and follow the instructions on the screen to download your FREE app from Apple™ Apps Store®. Requires iOS 4.0 or higher.



Specifications

- **pH Measuring Range:** 0-14
- **mV Measuring Range:** -1250 to 1250 mV
- **Solution Temperature Range:** Glass: 0-100 ° C; Epoxy: 0-80° C
- **Ambient Temperature:** 0 to 40° C
- **Accuracy / Resolution**

pH:	+/- 0.01 pH**
mV:	+/- 1 mV
Solution Temp:	+/- 0.1° C**
Ambient Temp:	+/- 2° C***

- **Analog to Digital**

pH/mV:	13 bit
Temp:	10 bit

- **Power Supply:** From iPhone®/iPad®/iPod®
- **Power Consumption:**

Operating	< 5 mA****
Standby	< 3 mA



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- **pH Sensor Connection :BNC**
- **Temperature Compensation: Miniature Audio**
- **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®, iPad® and iPod® are trademarks of Apple Inc., registered in U.S. and other countries.

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

* Patent Pending on PH-1

- Measure pH with accuracy to 0.01 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)



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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 of 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 iPhone®, iPad® or iPod® and share a single sensor for experiments.

• **Industrial**

Suitable for any process where pH measurements are routinely performed. By recording the pH values 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.