

Auto calibration, easy operation, economical type

pH METER

Model : PH-109B

ISO-9001, CE, IEC1010



pH electrode (optional)



Lutron

LUTRON ELECTRONIC

The Art of Measurement

auto calibration

pH METER

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FEATURES

* pH measurement range : 0 to 14 pH x 0.01 pH.
* pH function with high input impedance avoids measuring error.
* Microprocessor circuit assures high accuracy and reliable performance.
* Large LCD, dual function display.
* Records Maximum and Minimum readings with recall.
* Data hold.
* Auto power shut off to battery life or manual power off.
* Powered by 006P DC 9V battery.
* Easy and automatic pH calibration procedures.
* Using the durable, long-lasting components and a strong lightweight ABS-plastic housing case.
* Wide applications: water conditioning, aquariums, beverage, fish hatcheries, food processing, photography, laboratory, paper industry, plating industry, quality control, school & college.

GENERAL SPECIFICATIONS

Circuit	Custom one-chip of microprocessor LSI circuit.
Display	40 mm x 32 mm LCD (Liquid crystal display).
Measurement	0 to 14 pH
Accuracy	± 0.07 PH (PH5 - PH 9) ± 0.1 PH (PH 4 - PH 10) ± 0.2 PH (PH 1 - PH 3.9, PH 10.1 - PH 13) * <i>Main instrument only.</i> * <i>23 ± 5°C, after calibration.</i>
Input Impedance	10 ¹² ohms.
Temperature Compensation	Not necessary to make adjustment.

pH Calibration	pH 7, pH 4, and pH 10, 3 points calibration ensure the best linearity and accuracy.
Data hold	Hold the current reading value on the display.
Memory Recall	Maximum and Minimum reading values can be saved and retrieved by record function.
Sampling Time	Approx. 1 second.
Power off	Auto shut off saves battery life or manual off by push button.
Overload indication	"- - -" symbol on the display.
pH Electrode	Optional, Any pH electrode with BNC connector.
Operating Temperature	0 °C to 50 °C (32 °F to 122 °F).
Operating Humidity	Max. 80% RH.
Power Supply	DC 9V battery, 006P, MN1604 (PP3) or equivalent. * <i>Alkaline or heavy duty type.</i>
Power Consumption	Approx. DC 4.5 mA.
Weight	362 g/0.8 LB (battery included).
Dimension	170 x 70 x 39 mm (6.7 x 2.8 x 1.1.5 inch).
Standard Accessories	Instruction manual.....1 PC.
Optional Probes & Accessories	pH electrodes : * <i>General purpose pH electrode, PE-03</i> * <i>General purpose pH electrode, PE-11</i> <i>(Ref. page 20)</i> * <i>Professional pH electrode, PE-01</i> * <i>Plane pH electrode, PE-08</i> * <i>Glass body heavy duty pH electrode, PE-02</i> * <i>Spear tip pH electrode, PE-04HD, PE-06HD</i> Hard carrying case, CA-06 Soft carrying case, CA-05A

* Appearance and specifications listed in this brochure are subject to change without notice.

1103-PH109B