

pH/mV, ATC

PH METER

Model : PH-208

ISO-9001, CE, IEC1010



FEATURES

- * Professional PH/mV METER.
PH range : 0 to 14 PH x 0.01 PH.
mV range : -1999 mV to 1999 mV.
- * Used the optional ORP probe to become a professional ORP meter.
- * Wide manual temperature compensation adjustment can be operated by push button on the front panel easily.
- * Calibration for pH 7, pH 4 and pH 10 by push button.
- * Temperature compensation of pH function can be done by optional ATC (Automatic Temperature Compensation) probe.
- * Auto shut off saves battery life.
- * Memorize Max./Min. reading with recall.
- * Data hold.
- * RS232 computer interface.



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LUTRON ELECTRONIC

The Art of Measurement

PH METER (pH / mV)

Model : PH-208

FEATURES

* Professional PH/mV METER. PH range : 0 to 14 PH x 0.01 PH. mV range : -1999 mV to 1999 mV.	* Records Maximum and Minimum readings with recall. * Data hold. * Auto shut off saves battery life.
* The instrument is with mV (millivolt) function for mV measurement (Be plugged with optional ORP probe ORP-04 to be a professional ORP meter)	* Powered by 006P DC 9V battery. * RS 232 computer serial interface. * °C or °F can be converted by push button on the front panel.
* Wide manual temperature compensation adjustment can be easily operated by push button on the front panel.	* PH calibration is easily to be done by push button on the front panel.
* Optional ATC (Automatic Temp. Compensation) probe is available for PH measurement.	* Using the durable, long-lasting components and a strong lightweight ABS-plastic housing case.
* Microprocessor circuit assures high accuracy and reliable performance.	* PH function with high input impedance avoids measuring error.
* Large LCD, dual function display.	* Wide applications: water conditioning, aquariums, beverage...

GENERAL SPECIFICATIONS

Circuit	Custom one-chip of microprocessor LSI circuit.	PH Electrode	Optional, Any PH electrode with BNC connector.
Display	51 mm x 32 mm, dual function LCD display, 15 mm (0.6") digit size.	Operating Temperature	0 °C to 50 °C (32 °F to 122 °F).
Measurement	PH 0 to 14 PH mV -1999 mV to 1999 mV	Operating Humidity	Max. 80% RH.
Input Impedance	10 ¹² ohm	Power Supply	006P DC 9V battery (Optional) (<i>Alkaline or Heavy duty type</i>).
Temperature Compensation for pH measurement	Manual 0 to 100 °C, be adjusted by push button on front panel. Automatic (ATC) With the optional TEMP. probe (TP-07) 0 to 65 °C.	Power Current	Approx. DC 7 mA.
pH Calibration	PH7, PH4, and PH10, 3 points calibration ensure the best linearity and accuracy.	Weight	250 g/0.55 LB (battery included).
Data hold	Hold the reading value on the display.	Size (meter)	195 x 68 x 30 mm (7.6 x 2.6 x 1.2 inch).
Memory Recall	Maximum and Minimum reading values can be saved and retrieved by record function.	Standard Accessories	Instruction manual.....1 PC.
Sampling Time	Approx. 0.8 second.	Optional Probes & Accessories	PH electrodes : * General purpose PH electrode, PE-03, * General purpose PH electrode, PE-11 * Professional PH electrode, PE-01 * Spear tip PH electrode, PE-04HD ATC temp. probe, TP-07 PH electrodes + Temp. Probe, PE-03K7 ORP electrode, ORP-14 Hard carrying case, CA-06 RS232 cable, UPCE-02 USB cable, USB-01 Application Software, SW-U801-WIN
Power off	Auto shut off saves battery life, or manual off by push button.		
Data Output	RS 232 computer serial interface.		
Overload indication	"- - -" symbol on the display.		

ELECTRICAL SPECIFICATIONS (23 ± 5 °C)

pH meter specifications

Measurement	Measuring Range	Resolution	Accuracy
PH	0 to 14 PH	0.01 PH	± (0.02 PH + 2 d) * Meter only
mV	-1999 mV to 1999 mV	1 mV	± (0.5% + 2 d) * Meter only

Temperature Compensation for pH measurement :

- * Manual : 0 to 100 °C, be adjusted by push button on front panel.
- * Automatic (ATC) : With the optional TEMP. probe (TP-07) 0 to 65 °C.

pH Calibration :

- * PH7, PH4, and PH10, 3 points calibration ensure the best linearity and accuracy.

OPTIONAL ACCESSORIES

PE-01	pH Electrode, 0-14 pH.	PH-07	pH 7.00 standard buffer solution.
PE-03	pH Electrode, 1-13 pH (Typical 0 to 14 pH).	PE-03K7	pH Electrode + Temp. probe
PE-11	pH Electrode, 1-13 pH (Typical 0 to 14 pH).	CA-06	HARD CARRYING CASE.
PE-04HD	Spear Tip pH Electrode, 0-14 pH. Penetration electrode for soil, meat, cheese...	ORP-14	ORP Electrode.
PE-06HD	Spear Tip pH Electrode, 0-13 pH.. Penetration electrode for soil, meat, cheese...	TP-07	Automatic Temp. Compensation probe.
PH-04	pH 4.00 standard buffer solution.	SW-U801-WIN	Software for Data Logging.
		UPCE-02	RS232 cable for data transmission.
		USB-01	USB cable for data transmission.

APPLICATIONS

* AQUARIUMS	* FOOD PROCESSING	* PAPER INDUSTRY	* SCHOOLS & COLLEGES
* BEVERAGE	* PHOTOGRAPHY	* PLATING INDUSTRY	* SWIMMING POOLS
* FISH HATCHERIES	* LABORATORY	* QUALITY CONTROL	* WATER CONDITIONING

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

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