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

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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. * ℃ or ℉ 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.		Operating Temperature	0 ℃ to 50 ℃(32 ℉ to 122 ℉).
Display	51 mm x 32 mm, dual function LCD display, 15 mm (0.6") digit size.		Operating Humidity	Max. 80% RH.
Measurement	pH	0 to 14 pH	Power Supply	006P DC 9V battery (Optional) *(Alkaline or Heavy duty type).*
	mV	-1999 mV to 1999 mV		
Input Impedance	10^12 ohm		Power Current	Approx. DC 7 mA.
			Weight	250 g/0.55 LB (battery included).
Temperature Compensation for pH measurement	Manual	0 to 100 ℃, be adjusted by push button on front panel.	Size (meter)	195 x 68 x 30 mm (7.6 x 2.6 x 1.2 inch).
	Automatic (ATC)	With the optional TEMP. probe (TP-07) 0 to 65 ℃.	Standard Accessories	Instruction manual.....1 PC.
pH Calibration	pH7, pH4, and pH10, 3 points calibration ensure the best linearity and accuracy.		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-06HD, PE-04HD. * Glass body plane pH electrode, PE-08. * Glass body professional pH electrode, PE-02. ATC temp. probe, TP-07 pH electrodes + Temp. Probe, PE-03K7 ORP electrode, ORP-14 Hard carrying case, CA-06 RS232 cable, UPCB-02 USB cable, USB-01 Application Software, SW-U801-WIN
Data hold	Hold the reading value on the display.			
Memory Recall	Maximum and Minimum reading values can be saved and retrieved by record function.			
Sampling Time	Approx. 0.8 second.			
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.			
pH Electrode	Optional, Any pH electrode with BNC connector.			

ELECTRICAL SPECIFICATIONS (23 ± 5 ℃)				
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 ℃, be adjusted by push button on front panel. * Automatic (ATC) : With the optional TEMP. probe (TP-07) 0 to 65 ℃.				
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.
		TP-07	Automatic Temp. Compensation probe.
PE-06HD	Spear Tip pH Electrode, 0-13 pH.. Penetration electrode for soil, meat, cheese...	SW-U801-WIN	Software for Data Logging.
		UPCB-02	RS232 cable for data transmission.
PH-04	pH 4.00 standard buffer solution.	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.