

PH METER

pH, mV, ATC, RS232

Model : PH-207HA

ISO-9001, CE, IEC1010



LUTRON ELECTRONIC

The Art of Measurement

pH, mV, ATC

PH METER

Model : PH-207HA

FEATURES	
* Microprocessor circuit assures maximum possible accuracy, provides special functions and features.	* High input impedance avoid measuring error.
* Super large LCD display with contrast adjustment for best viewing angle.	* Wide automatic & manual temperature compensation range.
* Dual function meter's display.	* The values of "Manual temp. compensation" are reading from the LCD display directly, no errors & easy operation .
* Heavy duty & compact housing case, designed for easy carry out & operation.	* With the optional temp. probe for automatic temp. compensation or temp. measurement.
* Records Maximum, Minimum and Average readings with RECALL.	* The instrument build in mV (milli volt) measuring function, useful for making ion-selective, ORP, and other precise mV measurement.
* DATA HOLD function to freeze the desired value on display.	* Built in SLOPE (PH 4) & CAL. (PH 7) calibration VR on the front panel, easy for single point or two points pH calibration,
* Auto shut off saves battery life.	* Wide applications: water contioning, aquariums, beverage, fish hatcheries, food processing, photography, laboratory, paper industry, plating industry, quality control, school & college, water conditioning.
* Built-in low battery indicator.	
* Multi-measurement : pH, mV, Temperature.	
* Temperature function for °C or be selected by push button on front panel easily.	
* Dual display, show the pH & temperature values at the same LCD display.	

GENERAL SPECIFICATIONS				
Circuit	Custom one-chip of microprocessor LSI circuit.		Over input indication	Indication of "- - - -".
Display	Dual function meter's display, 13 mm (0.5"). Super large LCD display with contrast adjustment for best viewing angle.		pH Electrode	Any combination pH electrode with BNC connector.
			Operating Temperature	0 °C to 50 °C (32 to 122 °F).
Measurement	PH	0 to 14 pH	Operating Humidity	Less than 80% RH.
	mV	0 to 1999 mV	Sampling Time	Approx. 0.8 second.
	Temperature	0 to 65 °C 32 to 150 °F	Power Supply	Heavy duty type, 006P DC 9V battery MN1604 (PP3) or equivalent.
Input Impedance	10 ¹² ohms.		Power Current	Approx. DC 5.7 mA.
Temperature Compensation	Manual	0 to 100 °C, adjusting by push button on front panel.	Weight	270 g/0.59 LB .
For pH Range	Automatic	With the optional TEMP. probe, 0 to 65 °C.	Size	185 x 78 x 38 mm (7.3 x 3.0 x 1.5 inch).
Calibration For pH Range	Built in SLOPE (PH 4) & CAL. (PH 7) calibration VR (multi-turns potentiometers) on front panel, high reliability.		Standard Accessories	Instruction manual.....1 PC.
Data hold Memory Recall	To hold the reading values on display. Records Maximum, Minimum and Average readings with RECALL.		Optional Accessories	* Carrying case, CA-06 * pH electrode, PE-03. * pH electrode, PE-11. * pH electrode, PE-01. * Spear tip pH electrode : PE-06HD, PE-04HD * ATC temp. probe, TP-07. * pH4 buffer solution, PH-04. * pH7 buffer solution, PH-07. * ORP electrode : ORP-14
Power off	Auto shut off saves battery life, or manual off by push button.			

ELECTRICAL SPECIFICATIONS (23± 5 °C)				
Measurement	PH	mV	Temp. (°C)	Temp. (°F)
Range	0 to 14 pH	0 to 1999 mV	0 to 65 °C	32 to 150 °F
Resolution	0.01 pH	1 mV	0.1 °C	0.1 °F
Accuracy	± (0.03 PH + 2 d)	± (0.5% + 1 d)	0 - 50 °C :	32 - 122 °F:
			± 1°C	± 1.8 °F
			> 50°C :	> 122 °F:
			± 4°C	± 7.2°F

* PH accuracy are based on after calibration, meter only.

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

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