

# PH METER

*pH, mV, ATC*

Model : PH-207HA

*ISO-9001, CE, IEC1010*



pH ELECTRODE  
( optional )



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.	
* Built-in low battery indicator.	
* Multi-measurement : pH, mV, Temperature.	* Wide applications: water conditioning, aquariums, beverage, fish hatcheries, food processing, pHotographY, laboratory, paper industry, plating industry, quality control, school & college, water conditioning.
* Temperature function for °C or °F 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.
Measurement	pH	0 to 14 pH	Operating Temperature	0 °C to 50 °C ( 32 to 122 °F ).
	mV	0 to 1999 mV	Humidity	Less than 80% RH.
	Temperature	0 to 65 °C 32 to 150 °F	Sampling Time	Approx. 0.8 second.
Input Impedance	10 <sup>12</sup> ohms.		Power Supply	Heavy duty type, 006P DC 9V battery MN1604 ( PP3 ) or equivalent.
Temperature Compensation	Manual	0 to 100 °C, adjusting by push button on front panel.	Power Current	Approx. DC 5.7 mA.
For pH Range	Automatic	With the optional TEMP. probe, 0 to 65 °C.	Weight	270 g/0.59 LB .
			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. * pH electrode : PE-03, PE-11, PE-01 * Spear tip pH electrode : PE-06HD, PE-04HD * pH electrode + Temp. probe, 2 in 1, PE-03K7. * pH electrode build in Temp. sensor, PE-05T. * 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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