

# PH METER

Model : PH-207

ISO-9001, CE, IEC1010



## FEATURES

- \* Multi-measurement :  
pH, mV, Temperature.
- \* Dual display, show the pH & Temp. value at the same LCD display.
- \* High input impedance.
- \* Wide automatic & manual temperature compensation range.
- \* With the optional temp. probe for temp. compensation automatically or temperature measurement.
- \* The instrument build in mV ( milli volt ) measuring function, useful for making ion-selective, ORP, and other precise mV measurement.
- \* Built in Slope ( PH 4 ) & Cal. ( PH 7 ) calibration VR on the front panel, easy for single point or two points pH calibration.
- \* Heavy duty & compact housing case.
- \* Records Maximum, Minimum and Average readings with recall.
- \* Data hold.
- \* RS 232 PC serial interface.



**Lutron**

**LUTRON ELECTRONIC**

*The Art of Measurement*

# PH METER

Model : PH-207

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.
* RS 232 PC serial interface.	
* 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.		Power off	Auto shut off saves battery life, or manual off by push button.
Display	Dual function meter's display, 13 mm ( 0.5" ). Super large LCD display with contrast adjustment for best viewing angle.		Data Output	RS 232 PC serial interface.
Measurement	PH	0 to 14 pH	Over input indication	Indication of "- - - -".
	mV	0 to 1999 mV	pH	Any combination pH electrode with BNC connector.
	Temperature	0 to 65 °C 32 to 150	Electrode	0 °C to 50 °C ( 32 to 122 °F ).
Input Impedance	10 12ohms.		Operating Temperature	Less than 80% RH.
			Humidity	
Temperature Compensation	Manual	0 to 100 °C, adjusting by push button on front panel.	Sampling Time	Approx. 0.8 second.
	Automatic	With the optional TEMP. probe, 0 to 65 °C.	Power Supply	Heavy duty type, 006P DC 9V battery MN1604 ( PP3 ) or equivalent.
For pH Range			Power Current	Approx. DC 5.7 mA.
			Weight	270 g/0.59 LB .
Calibration For pH Range	Built in SLOPE ( PH 4 ) & CAL. ( PH 7 ) calibration VR ( multi-turns potentiometers ) on front panel, high reliability.		Size	180 x 72 x 32 mm (7.1 x 2.8 x1.3 inch).
			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-01. PE-11. pH electrode, PE-03, PE-04HD ATC temp. probe, TP-07. pH4 buffer solution, PH-04. pH7 buffer solution, PH-07.

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.

CAT-0304-PH207