

pH, mV/ORP , ATC, RS232

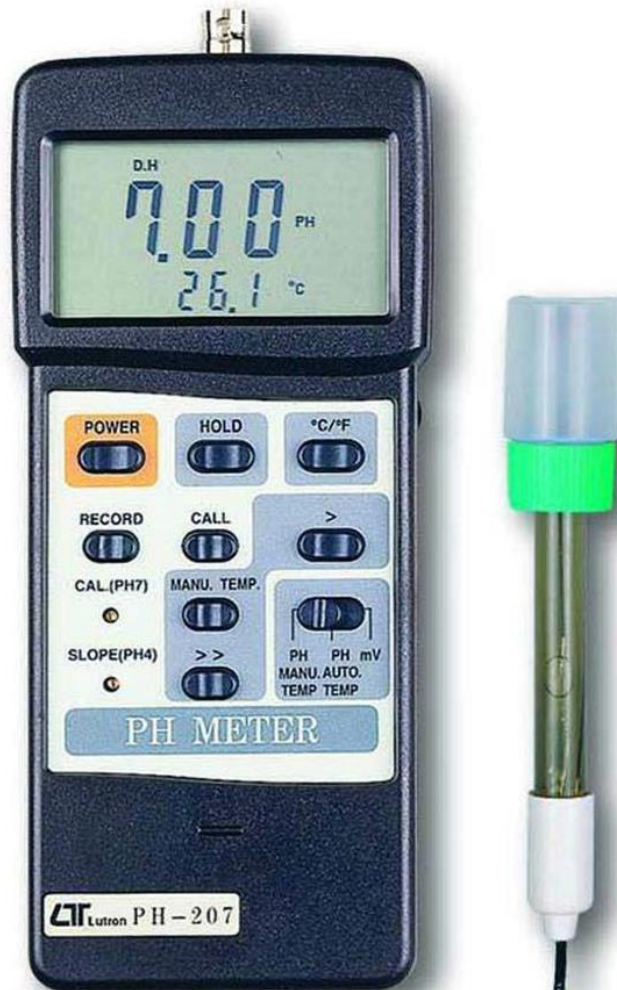
# PH METER

Model : PH-207

ISO-9001, CE, IEC1010

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02-2389-0101



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*The Art of Measurement*

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# PH METER

Model : PH-207

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## FEATURE

- \* Microprocessor circuit assures maximum possible accuracy, provides special functions and features.
- \* Super large LCD display with contrast adjustment for best viewing angle.
- \* Dual function meter's display.
- \* Heavy duty & compact housing case, designed for easy carry out & operation.
- \* Records Maximum, Minimum and Average readings with RECALL.
- \* DATA HOLD function to freeze the desired value on display.
- \* Auto shut off saves battery life.
- \* 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.
- \* High input impedance avoid measuring error.
- \* Wide automatic & manual temperature compensation range.
- \* The values of "Manual temp. compensation" are reading from the LCD display directly, no errors & easy operation .
- \* With the optional temp. probe for automatic temp. compensation or temp. 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,
- \* Wide applications: water contioning, aquariums, beverage, fish hatcheries, food processing, photography, laboratory, paper industry, plating industry, quality control, school & college, water conditioning.

## GENERAL SPECIFICATION

Circuit	Custom one-chip of microprocessor LSI circuit.	
Display	Dual function meter's display, 13 mm ( 0.5" ). Super large LCD display with contrast adjustment for best viewing angle.	
Measurement	pH	0 to 14 pH
	mV	0 to 1999 mV
	Temperature	0 to 65 °C (32 to 150 °F)
Input Impedance	10 <sup>12</sup> ohms.	
Temperature Compensation For pH Range	Manual 0 to 100 °C , adjusting by push button on front panel. Automatic With the optional TEMP. probe, 0 to 65 °C .	
Calibration For pH Range	Built in SLOPE ( pH 4 ) & CAL. ( pH 7 ) calibration VR ( multi-turns potentiometers ) on front panel, high reliability.	
Data hold Memory Recall	To hold the reading values on display. Records Maximum, Minimum and Average readings with RECALL.	
Power off	Auto shut off saves battery life, or manual off by push button.	
Data Output	RS 232 PC serial interface.	
Over input indication	Indication of "- - - -".	
pH Electrode	Any combination pH electrode with BNC connector.	
Operating Temperature	0 °C to 50 °C ( 32 to 122 °F ).	
Operating Humidity	Less than 80% RH.	
Sampling Time	Approx. 0.8 second.	

Power Supply	Heavy duty type, 006P DC 9V battery MN1604 ( PP3 ) or equivalent.
Power Current	Approx. DC 5.7 mA.
Weight	270 g/0.59 LB .
Size	180 x 72 x 32 mm (7.1 x 2.8 x1.3 inch).
Standard Accessories	Instruction manual.....1 PC.
Optional Accessories	<ul style="list-style-type: none"> <li>* Carrying case.</li> <li>* pH electrode :PE-03, PE-11, PE-01</li> <li>* Spear tip pH electrode : PE-06HD, PE-04HD</li> <li>* pH electrode + Temp. probe, 2 in 1, PE-03K7.</li> <li>* pH electrode build in Temp. sensor, PE-05T.</li> <li>* ATC temp. probe, TP-07.</li> <li>* pH4 buffer solution, pH-04.</li> <li>* pH7 buffer solution, pH-07.</li> <li>* ORP electrode : ORP-14</li> <li>* Data acquisition software ( Windows version ),SW-U801-WIN</li> <li>* RS232 cable, UPCB-01</li> <li>* USB cable, USB-01</li> </ul>

#### 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 :± 1°C	32 - 122 °F:± 1.8 °F
			> 50 °C :± 4°C	> 122 °F:± 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.

PH-207+0906

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