

# PH Meter

## Part No. 01PH207HA

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### FEATURES

- Microprocessor circuit assures maximum possible accuracy, provides special functions and features.
- Super large LCD display with contrast adjustment for best viewing angle.
- Dual function meters 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.
- Built-in low battery indicator,
- Multi-measurement : pH, mV, Temperature.
- 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.
- 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, calibration data will keep into no erasable memory IC.
- Wide applications: water conditioning aquariums, beverage, fish hatcheries, food processing, photography, laboratory, paper industry, plating industry, quality control, school & college, water conditioning.



### GENERAL SPECIFICATIONS

<b>Circuit:</b>	Custom one-chip of microprocessor LSI circuit.	<b>Power off :</b>	Auto shut off saves battery life, or manual off by push button.
<b>Display:</b>	Dual function meter's display, 13 mm (0.5"). Super large LCD display with contrast adjustment for best viewing angle.	<b>Over Input Indication:</b>	Indication of "- - - -".
<b>Measurement:</b>	<b>PH:</b> 0 to 14 pH <b>mV</b> 0 to 1999 mV <b>Temperature:</b> 0 to 65° C 32 to 150 °F	<b>pH Electrode:</b>	Any combination pH electrode with BNC connector.
<b>Input Impedance:</b>	12 ohms. 10	<b>Operating Temperature:</b>	0°C to 50°C (32°F to 122°F).
<b>Temperature Compensation For pH Range:</b>	<b>Manual</b> 0 to 100 °C, adjusting by push button on front panel. <b>Automatic</b> With the optional TEMP. probe, 0 to 65°C.	<b>Operating Humidity:</b>	Less than 80% RH.
<b>Calibration For pH Range:</b>	Built in SLOPE (PH 4) & CAL. (PH 7) calibration VR (multi-turns potentiometers) on front panel high reliability.	<b>Sampling Time:</b>	Approx. 0.8 second.
<b>Data Hold</b>	To hold the reading values on display.	<b>Power Supply:</b>	Heavy duty type, 006P DC 9V battery MN1604 (PP3) or equivalent.
<b>Memory Recall:</b>	Records Maximum, Minimum and Average readings with RECALL.	<b>Power Current:</b>	Approx. DC 5.7 mA.
		<b>Weight :</b>	270 g / 0.59 LB .
		<b>Size:</b>	180 x 72 x 32 mm (7.1 x 2.8 x 1.3 inch)
		<b>Standard Accessories</b>	Instruction manual ..... 1 PC.

### 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	.8°F
			>50°C:	>122 °F
			4°C	.2 °F

- PH accuracy are based on after calibration, meter only.
- Appearance and specifications listed in this brochure are Subject to change without notice.