

pH/mV, ATC

PH METER

Model : PH-208

ISO-9001, CE, IEC1010

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02-2389-0101

FEATURES



- * Professional PH/mV METER.
PH range : 0 to 14 PH x 0.01 PH.
mV range : -1999 mV to 1999 mV.
- * Used the optional ORP probe to become a professional ORP meter.
- * Wide manual temperature compensation adjustment can be operated by push button on the front panel easily.
- * Calibration for pH 7, pH 4 and pH 10 by push button.
- * Temperature compensation of pH function can be done by optional ATC (Automatic Temperature Compensation) probe.
- * Auto shut off saves battery life.
- * Memorize Max./Min. reading with recall.
- * Data hold.
- * RS232 computer interface.



Lutron

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The Art of Measurement

PH METER (pH / mV)

Model : PH-208

FEATURES

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|---|--|
| * Professional pH/mV METER. pH range : 0 to 14 pH x 0.01 pH. mV range : -1999 mV to 1999 mV. | * Records Maximum and Minimum readings with recall. * Data hold. * Auto shut off saves battery life. |
| * The instrument is with mV (millivolt) function for mV measurement (Be plugged with optional ORP probe ORP-04 to be a professional ORP meter) | * Powered by 006P DC 9V battery. * RS 232 computer serial interface. |
| * Wide manual temperature compensation adjustment can be easily operated by push button on the front panel. | * °C or °F can be converted by push button on the front panel. |
| * Optional ATC (Automatic Temp. Compensation) probe is available for pH measurement. | * pH calibration is easily to be done by push button on the front panel. |
| * Microprocessor circuit assures high accuracy and reliable performance. | * Using the durable, long-lasting components and a strong lightweight ABS-plastic housing case. |
| * Large LCD, dual function display. | * pH function with high input impedance avoids measuring error. * Wide applications: water conditioning, aquariums, beverage... |

GENERAL SPECIFICATIONS

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|---|---|-------------------------------|---|
| Circuit | Custom one-chip of microprocessor LSI circuit. | Operating Temperature | 0 °C to 50 °C (32 °F to 122 °F). |
| Display | 51 mm x 32 mm, dual function LCD display, 15 mm (0.6") digit size. | Operating Humidity | Max. 80% RH. |
| Measurement | pH 0 to 14 pH mV -1999 mV to 1999 mV | Power Supply | 006P DC 9V battery (Optional) (Alkaline or Heavy duty type). |
| Input Impedance | 10 ¹² ohm | Power Current | Approx. DC 7 mA. |
| Temperature Compensation for pH measurement | Manual 0 to 100 °C, be adjusted by push button on front panel. Automatic (ATC) With the optional TEMP. probe (TP-07) 0 to 65 °C. | Weight | 250 g/0.55 LB (battery included). |
| pH Calibration | pH7, pH4, and pH10, 3 points calibration ensure the best linearity and accuracy. | Size (meter) | 195 x 68 x 30 mm (7.6 x 2.6 x 1.2 inch). |
| Data hold | Hold the reading value on the display. | Standard Accessories | Instruction manual.....1 PC. |
| Memory Recall | Maximum and Minimum reading values can be saved and retrieved by record function. | Optional Probes & Accessories | pH electrodes : * General purpose pH electrode, PE-03. * General purpose pH electrode, PE-11. * Professional pH electrode, PE-01. * Spear tip pH electrode, PE-06HD, PE-04HD. * Glass body plane pH electrode, PE-08. * Glass body professional pH electrode, PE-02. ATC temp. probe, TP-07 pH electrodes + Temp. Probe, PE-03K7 ORP electrode, ORP-14 Hard carrying case, CA-06 RS232 cable, UPCEB-02 USB cable, USB-01 Application Software, SW-U801-WIN |
| Sampling Time | Approx. 0.8 second. | | |
| Power off | Auto shut off saves battery life, or manual off by push button. | | |
| Data Output | RS 232 computer serial interface. | | |
| Overload indication | "- - -" symbol on the display. | | |
| pH Electrode | Optional, Any pH electrode with BNC connector. | | |

ELECTRICAL SPECIFICATIONS (23 ± 5 °C)

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|--|---------------------|------------|-------------------|--------------|
| pH meter specifications | | | | |
| Measurement | Measuring Range | Resolution | Accuracy | |
| pH | 0 to 14 pH | 0.01 pH | ± (0.02 pH + 2 d) | * Meter only |
| mV | -1999 mV to 1999 mV | 1 mV | ± (0.5% + 2 d) | * Meter only |
| Temperature Compensation for pH measurement : | | | | |
| * Manual : 0 to 100 °C, be adjusted by push button on front panel. | | | | |
| * Automatic (ATC) : With the optional TEMP. probe (TP-07) 0 to 65 °C. | | | | |
| pH Calibration : | | | | |
| * pH7, pH4, and pH10, 3 points calibration ensure the best linearity and accuracy. | | | | |

OPTIONAL ACCESSORIES

| | | | |
|---------|--|-------------|-------------------------------------|
| PE-01 | pH Electrode, 0-14 pH. | pH-07 | pH 7.00 standard buffer solution. |
| PE-03 | pH Electrode, 1-13 pH (Typical 0 to 14 pH). | PE-03K7 | pH Electrode + Temp. probe |
| PE-11 | pH Electrode, 1-13 pH (Typical 0 to 14 pH). | CA-06 | HARD CARRYING CASE. |
| PE-04HD | Spear Tip pH Electrode, 0-14 pH. Penetration electrode for soil, meat, cheese... | ORP-14 | ORP Electrode. |
| PE-06HD | Spear Tip pH Electrode, 0-13 pH.. Penetration electrode for soil, meat, cheese... | TP-07 | Automatic Temp. Compensation probe. |
| PH-04 | pH 4.00 standard buffer solution. | SW-U801-WIN | Software for Data Logging. |
| | | UPCEB-02 | RS232 cable for data transmission. |
| | | USB-01 | USB cable for data transmission. |

APPLICATIONS

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|-------------------|-------------------|--------------------|----------------------|
| * AQUARIUMS | * FOOD PROCESSING | * PAPER INDUSTRY | * SCHOOLS & COLLEGES |
| * BEVERAGE | * PHOTOGRAPHY | * PLATING INDUSTRY | * SWIMMING POOLS |
| * FISH HATCHERIES | * LABORATORY | * QUALITY CONTROL | * WATER CONDITIONING |

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

PH208+0912

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