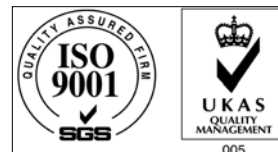
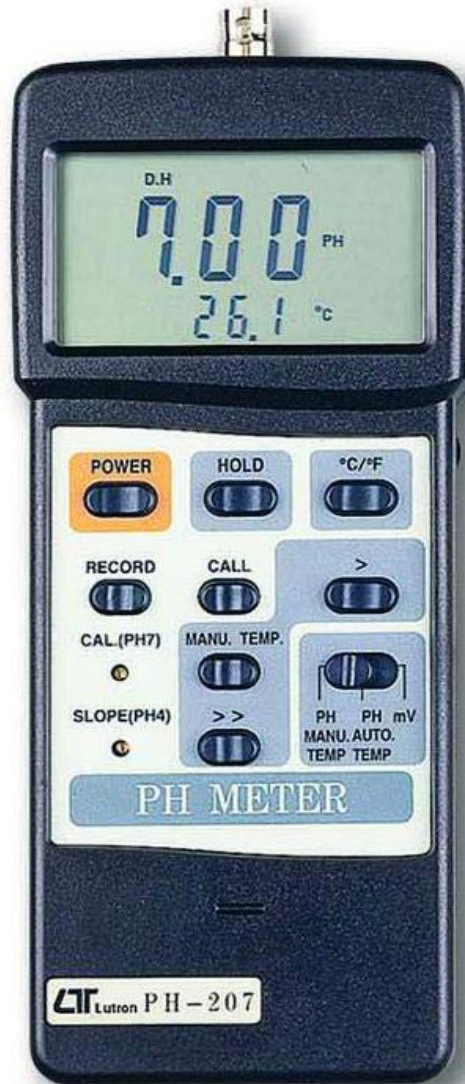


PH METER

pH, mV, ATC, RS232

Model : PH-207

ISO-9001, CE, IEC1010



LUTRON ELECTRONIC

The Art of Measurement

pH, mV, ATC

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. | | pH Electrode | Any combination pH electrode with BNC connector. |
| Display | Dual function meter's display, 13 mm (0.5"). Super large LCD display with contrast adjustment for best viewing angle. | | Operating Temperature | 0 °C to 50 °C (32 to 122 °F). |
| | | | Operating Humidity | Less than 80% RH. |
| Measurement | pH | 0 to 14 pH | Sampling Time | Approx. 0.8 second. |
| | mV | 0 to 1999 mV | Power Supply | Heavy duty type, 006P DC 9V battery MN1604 (PP3) or equivalent. |
| | Temperature | 0 to 65 °C 32 to 150 °F | | |
| Input Impedance | 10 ¹² ohms. | | Power Current | Approx. DC 5.7 mA. |
| Temperature Compensation | Manual | 0 to 100 °C, adjusting by push button on front panel. | Weight | 270 g/0.59 LB . |
| | Automatic | With the optional TEMP. probe, 0 to 65 °C. | Size | 180 x 72 x 32 mm (7.1 x 2.8 x1.3 inch). |
| For pH Range | | | Standard Accessories | Instruction manual.....1 PC. |
| Calibration For pH Range | Built in SLOPE (pH 4) & CAL. (pH 7) calibration VR (multi-turns potentiometers) on front panel, high reliability. | | 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 * Data acquisition software (Windows version), SW-U801-WIN * RS232 cable, UPCB-01 * USB cable, USB-01 |
| 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 " - - - - ". | | | |

| ELECTRICAL SPECIFICATIONS (23± 5 °C) | | | | |
|--------------------------------------|---------------------|------------------|--------------|--------------|
| Measurement Range | pH | mV | Temp. (°C) | Temp. (°F) |
| | 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.

0906-PH207