PH CONTROLLER/MONITORModel : PPH-2108ISO-9001, CE, IEC1010



FEATURES

- * 0 to 14 pH x 0.01 pH.
- * ATC (automatic temperature compensation).
- * Control setting, Alarm setting.
- * Control relay output, alarm relay output.
- * Power : 90 ACV to 264 ACV, 50/60 Hz.
- * RS-232 computer interface.
- * DIN size : 96 x 48 mm. Depth : 107 mm.
- * Optional pH electrode, ATC probe.





The Art of Measurement

PH CONTROLLER/MONITOR

Model : PPH-2108

FEATURES

| ÷ | | | | | | | |
|---|--|--|--|--|--|--|--|
| * | Professional pH and Temp. measurement monitor and | | | | | | |
| | controller. | | | | | | |
| * | pH range : 0 to 14 pH x 0.01 pH. | | | | | | |
| * | * pH function with high input impedance avoids measuring | | | | | | |
| | error. | | | | | | |
| * | Optional Temp. probe (ATC probe, Automatic Temp. | | | | | | |
| | Compensation probe) is available for pH measurement | | | | | | |
| | compensation and the Temp. measurement. | | | | | | |
| * | Wide manual temperature compensation for pH function, | | | | | | |
| | adjustment can be easily operated by push button on | | | | | | |
| | the front panel. | | | | | | |
| * | pH calibration is easily to be done by push button on the | | | | | | |
| | front panel. | | | | | | |
| * | Build in pH control relay and the Temp. control relay. | | | | | | |
| * | Relay will be make action (On/Off) when the reading | | | | | | |
| | value reach high limit or low limit value. | | | | | | |
| | Temperature Offset value setting. | | | | | | |
| | Hysteresis value setting for high and low alarm. | | | | | | |
| | $^\circ\!\mathrm{C}$, $^\circ\!\mathrm{F}$ temp. unit setting with default. | | | | | | |
| * | Large red LED display, high brightness and easy to read. | | | | | | |
| * | RS232 computer interface, send out the pH and the | | | | | | |
| | temperature data at the same time. | | | | | | |
| | Optional pH electrode. | | | | | | |
| | Optional Temperature probe (ATC probe). | | | | | | |
| | Optional data acquisition software. | | | | | | |
| | Optional GSM controller. | | | | | | |
| * | meroprocessor circuit ensures night accuracy and | | | | | | |
| | provides special functions and features. | | | | | | |
| * | Standard 96 X 48 mm DIN case. | | | | | | |
| * | Wide applications: water conditioning aquariums | | | | | | |

 Wide applications: water conditioning, aquariums, beverage, fish hatcheries, food processing, photography, laboratory, paper industry, plating industry, quality control, school & college.

GENERAL SPECIFICATIONS

| GENERAL SPECIFICATIONS | | | | | | | |
|--|--|--|--|--|--|--|--|
| Display | 4 digits red LED, digit size : 14 mm. | | | | | | |
| Circuit | Custom chip of microprocessor LSI | | | | | | |
| | circuit. | | | | | | |
| Range | PH | 0 to 14 PH | | | | | |
| | Temp. | -30 to 100 °C | | | | | |
| Display Unit | рН | рН | | | | | |
| | Temp. | °C, °F | | | | | |
| pH Input | 10^12 ohm | | | | | | |
| Impedance | | | | | | | |
| Temperature | Manual | -30 to 100 $^\circ\!{ m C}$, be adjusted by | | | | | |
| Compensation | | push button on front panel. | | | | | |
| for pH | Automatic | With the optional Temp. | | | | | |
| measurement | (ATC) | probe(TP-07A) | | | | | |
| | | 0 to 65 ℃. | | | | | |
| рН | PH7, PH4, and PH10, 3 points calibration | | | | | | |
| Calibration | ensure the best linearity and accuracy. | | | | | | |
| рН | Optional, | | | | | | |
| Electrode | Any PH electrode with BNC connector. | | | | | | |
| Temp. Probe | Optional, 0 to 65 ℃, TP-07A | | | | | | |
| ATC Probe | | | | | | | |
| Probe Calibration Can set the meter's total operation period | | | | | | | |
| Period Setting warn the user to make the new calibration for | | | | | | | |
| * PCPS function | * PCPS function the pH electrode. | | | | | | |

| Sampling Time | Approx. 1 second. | | | | |
|---------------|--|-------------------------------|--|--|--|
| Relay outputs | Number | 2 relays | | | |
| 5. | Function | Relay 1 : | | | |
| | | pH control relay. | | | |
| | | Relay 2 : | | | |
| | | Temperature control relay. | | | |
| | Max load | 1 ACA/250 ACV | | | |
| | | 1 DCA/24 DCV | | | |
| Setting value | 1. High limit value setting. | | | | |
| Ū. | 2. Low limit value setting. | | | | |
| | 3. Hysteresis value setting. | | | | |
| | 4. Temp. Offset value setting. | | | | |
| | - | ng for pH and Temp. function. | | | |
| External | DC 12 V, 50 m | | | | |
| Power Supply | 20121,001 | | | | |
| Data Output | RS 232 PC seri | al interface. | | | |
| Operating | 0 to 50 °C. | | | | |
| Temperature | * Meter | | | | |
| Operating | Less than 80% | RH | | | |
| Humidity | * Meter | | | | |
| Power Supply | 90 to 260 ACV, 50/60 Hz. | | | | |
| Power | Approx. 4.7 VA/AC 110V. | | | | |
| Consumption | Approx. 5.3 VA/AC 220V. | | | | |
| Weight | + • • | . * Meter only. | | | |
| Dimension | DIN size : 96 x 48 mm. | | | | |
| | Depth: 110 mm. | | | | |
| Accessories | Instruction manual 1 PC | | | | |
| Included | Case holder with screw2 PCs | | | | |
| Optional | PH electrodes : | | | | |
| Accessories | * Industrial in line pH electrode, PE-21 | | | | |
| | * General purpose PH electrode, PE-03 | | | | |
| | PH buffer solution : | | | | |
| | * pH 7 buffe | er solution, PH-07, PH-07A. | | | |
| | * pH 7 buffer solution, PH-04, PH-04A. | | | | |
| | * Temp. probe (ATC probe), TP-07A | | | | |
| | * Data Acquisition software, | | | | |
| | SW-U801-WIN. | | | | |
| | * RS232 cable | | | | |
| | * USB cable, L | | | | |
| | * GSM controller, GSM-889. | | | | |
| | | ble (cable between meter | | | |
| | |), GMCB-89. | | | |
| L | 10 0011-007 | // CHIOD 07. | | | |

ELECTRICAL SPECIFICATIONS (23 \pm 5 °C)

pH (meter only)

| Range | Resolution | Accuracy |
|------------|------------|-------------------|
| 0 to 14 PH | 0.01 PH | ± (0.02 PH + 2 d) |

Temperature (used optional Temp. probe, TP-07 A)

| Measurement | Range | Resolution | Accuracy |
|-------------|----------------|----------------|----------|
| °C | 0 ℃ to 65 ℃ | 0 ℃ to 65 ℃ | 0.8 ℃. |
| °F | 32°F to 149 °F | 32°F to 149 °F | 1.5 °F. |

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