

PH CONTROLLER/MONITOR

Model : PPH-2108

ISO-9001, CE, IEC1010

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PPH-2108 酸鹼度設定顯示表



pH electrode, PE-21
(Optional)

Lutron

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The Art of Measurement

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FEATURE

- ✓ 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.
- ✓ °C, °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.
- ✓ Microprocessor circuit ensures high accuracy and provides special functions and features.
- ✓ Standard 96 X 48 mm DIN case.
- ✓ Wide applications: water conditioning, aquariums, beverage, fish hatcheries, food processing, photography, laboratory, paper industry, plating industry, quality control, school & college.

GENERAL SPECIFICATION

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	PH	pH
	Temp.	°C, °F
pH Input Impedance	10 ¹² ohm	
Temperature Compensation for pH measurement	Manual : -30 to 100 °C, be adjusted by push button on front panel. Automatic (ATC) : With the optional Temp. probe (TP-07A) 0 to 65 °C.	
pH Calibration	PH7, PH4, and PH10, 3 points calibration ensure the best linearity and accuracy.	
pH Electrode	Optional, Any PH electrode with BNC connector.	
Temp. Probe ATC Probe	Optional, 0 to 65 °C, TP-07A	
Probe Calibration Period Setting * PCPS function	Can set the meter's total operation period to warn the user to make the new calibration for the pH electrode.	
Sampling Time	Approx. 1 second.	
Relay outputs	Number	2 relays
	Function	Relay 1 : pH control relay. Relay 2 : Temperature control relay.
	Max load	0.5 ACA/250 ACV , 0.5 DCA/24 DCV

Setting value	1. High limit value setting. 2. Low limit value setting. 3. Hysteresis value setting. 4. Temp. Offset value setting. * 1, 2, 3 Setting for pH and Temp. function.
External Power Supply	DC 12 V, 50 mA max.
Data Output	RS 232 PC serial interface.
Operating Temperature	0 to 50 °C. * Meter
Operating Humidity	Less than 80% R.H. Meter
Power Supply	90 to 260 ACV, 50/60 Hz.
Power Consumption	Approx. 4.7 VA/AC 110V. Approx. 5.3 VA/AC 220V.
Weight	275 g/ 0.60 LB. * Meter only.
Dimension	DIN size : 96 x 48 mm. Depth : 107 mm.
Accessories Included	Instruction manual. 1 PC Case holder with screw. 2 PCs
Optional Accessories	PH electrodes : * Industrial in line pH electrode, PE-21 * General purpose PH electrode, PE-03 PH buffer solution : * pH 7 buffer solution, PH-07, PH-07A. * pH 4 buffer solution, PH-04, PH-04A. * Temp. probe (ATC probe), TP-07A * Data Acquisition software, SW-U801-WIN. * RS232 cable, UPCB-02. * USB cable, USB-01.

ELECTRICAL SPECIFICATIONS (23± 5 °C)

pH (meter only)

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

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

Measurement	Range	Resolution	Accuracy
°C	0 °C to 65 °C	0.1 °C	±0.8 °C. reading
°F	32°F to 149 °F	0.1°F	±1.5 °F. reading

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

PPH-2108+2006

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