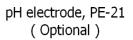
# PH CONTROLLER/MONITOR

Model: PPH-2108 *ISO-9001, CE, IEC1010* 









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.
- °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.
- Optional GSM controller.
- 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 SPECIFICATIONS

Display	splay 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 ℃		
Display Unit	рН	рН		
	Temp.	°C, °F		
pH Input	10^12 ohm			
Impedance				
Temperature	Manual	-30 to 100 $^{\circ}\mathrm{C}$ , 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 °C, TP-07A			
ATC Probe				
Probe Calibration Can set the meter's total operation period to				
Period Setting	Period Setting warn the user to make the new calibration for			
* PCPS function	the pH electrode.			

Compling Time	Approx 1 coop	nd	
Sampling Time	Approx. 1 second.		
Relay outputs	Number	2 relays	
	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.		
	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	A max.	
Power Supply			
Data Output	RS 232 PC seri	al interface.	
Operating	0 to 50 ℃.		
Temperature	* Meter		
Operating	Less than 80% R.H.		
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	384 g/ 0.84 LB	. * Meter only.	
Dimension DIN size : 96 x 48 mr		48 mm.	
	Depth: 110 m	m.	
Accessories	Instruction ma	nual 1 PC	
Included	Case holder wi	th screw2 PCs	
Optional	PH electrodes		
Accessories	* Industrial	in line pH electrode, PE-21	
	* General p	ourpose PH electrode, PE-03	
	PH buffer solut	ion :	
	* pH 7 buffe	er solution, PH-07, PH-07A.	
	* pH 7 buffe	er solution, PH-04, PH-04A.	
	* Temp. probe ( ATC probe ), TP-07A		
		tion software,	
	SW-U801-W		
	* RS232 cable		
	* USB cable, U		
	* GSM control		
		ble ( cable between meter	
		), GMCB-89.	
	10 001VI-007	// Cinob 07.	

### ELECTRICAL SPECIFICATIONS (23 $\pm$ 5 $^{\circ}$ 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.

<sup>\*</sup> Appearance and specifications listed in this brochure are subject to change without notice.