ATC, two displays, auto calibration

# **PH METER**

## Model : PH-221

# *ISO-9001, CE, IEC1010*



### **FEATURES**

- \* 0 to 14.00 pH,  $\pm$  1,999 mV.
- \* LCD show both pH and the temperature.
- \* ATC or manual TEMP. compensation.
- \* Auto calibration for pH 4 an pH 7.
- \* Optional pH electrode and the ATC probe.
- \* RS232 computer interface.
- \* DC 9V battery (006P) or DC 9V adapter in.





The Art of Measurement

*pH/mV, manual Temp. adj. or ATC, auto calibration 1,600 point data logger, RS232, AC/DC adapter* 



#### Model : PH-221

#### **FEATURES**

*	pH : 0 to 14.00 pH, mV : ± 1999 mV.				
*	mV function is used to accept the ORP electrode.				
*	BNC socket input, can accept most kind pH electrode.				
*	Separate pH electrode, easy for general purpose				
	and remote measurement.				
*	pH measurement can select automatic temperature				
	compensation (via. optional Temp. probe) or				
	manual temperature adjustment.				
*	High input impedance for the pH function.				
*	Auto calibration for pH 7, pH 4 and pH 10 or other value.				
*	LCD with two display, easy readout.				
*	Manual and auto data logger, with flexible sampling				
	time selection, can save max. 1,600 reading data.				
*	Can default auto power off or manual power off.				
*	Temperature unit can default to °C or °F.				
*	Microcomputer circuit, intelligent function, high accuracy.				
*	Records Maximum and Minimum readings with recall.				
*	Data hold function for freezing the desired value.				
*	Build in the input socket for DC 9V power adapter.				
*	RS232 PC serial interface.				
*	Heavy duty & compact housing case.				
*	Available for wide applications, such as aquarium,				
	beverage, fish hatcheries, food processing, photography,				
	laboratory, guality control, school & colleges, swimming				

laboratory, quality control, school & colleges, swimming pools, water conditions.

#### GENERAL SPECIFICATIONS

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рН	Optional,							
Electrode	e Any pH electrode with BNC connector.							
Measurement	рН	0 to 14 pH						
	mV	-1999 mV to 1999 mV						
Input	10^12 ohm							
Impedance								
Temperature	Manual	0 to 100 $^\circ\!\mathrm{C}$ , be adjusted by						
Compensation		push button on front panel.						
for pH	Automatic	With the optional temperature						
measurement	(ATC)	probe ( TP-07 )						
		0 to 65 ℃.						
рН	H pH 7, pH 4, and pH 10, 3 points calibration							
Calibration	ensure the best linearity and accuracy.							
	* Other calil	bration point that near the pH 7,						
pH 4, and pH 10 are available.								
Circuit	Custom one-chip of microprocessor LSI circuit.							
Display	LCD size : 44 mm x 29 mm, dual function LCD							
	display.							
Data Hold	Data Hold Freeze the display reading.							

Sampling Time	Manual	Push the data logger button once			
of Data Logger		will save data one time.			
		* Set sampling time to 0 second.			
	Auto	1, 2, 5, 10, 30, 60, 600, 1800,			
		3600 seconds.			
Data Logger	Max. 1,600-point Data logger				
number					
	Maximum & Minimum value.				
	Approx. 1 second.				
of display					
Power off	Auto power shut off to save battery life or				
	manual power off.				
Data Output	RS 232 PC serial interface.				
Operating	0 to 50 °C.				
Temperature					
Operating	Less than	80% RH.			
Humidity					
Power Supply	006P DC 9V battery ( Alkaline or Heavy duty type ).				
	DC 9V adapter input.				
	* AC/DC power adapter is optional.				
Power Current	Approx. DC 6 mA.				
Weight	200 g/0.44	LB. * Include probe and batterry.			
Dimension					
Accessories	Instruction manual1 PC				
Included					
Optional	* pH elec	trodePE-03, PE-11, PE-01,PE-06HD			
probe and		PE-04HD, PE-05T, PE-03K7			
accessories	* Temp. p	probe for ATC TP-07			
	* pH 7 bu	ffer solution PH-07			
	* pH 4 bu	ffer solution PH-04			
	* ORP ele	ctrode ORP-14			
		ableUPCB-02.			
	* USB cat	oleUSB-01			
	* Data Ac	quisition software SW-U801-WIN.			
		gger softwareSW-DL2005.			
	* Hard ca	rrying case CA-06			
	* Soft Car	rying case CA-05A			
		C 9V adapter.			

#### ELECTRICAL SPECIFICATIONS (23±5°C)

	Measurement	Range	Resolution	Accuracy			
	рН	0 to 14 pH	0.01 pH	± (0.02 pH + 2 d)			
	mV	0 to ± 1999 mV	1 mV	± (0.5% + 2 d)			
	<ul> <li>* pH accuracy is based on calibrated meter only.</li> <li>* Above specification tests under the environment RF Field</li> </ul>						
	Strength less than 3 V/M & frequency less than 30 MHz only.						
ic	э.			0607-PH221			

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