

pH, mV, auto Temp. Cal.

pH/ORP METER

Model : PH-224S

ISO-9001, CE, IEC1010

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02-2389-0101



pH Electrode
(optional)



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The Art of Measurement

pH, mV, auto Temp. Cal. pH/ORP METER

Model : BVB-8207SD

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FEATURE

* pH : 0 to 14.00 pH, mV : \pm 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.
* LCD with two display, easy readout.
* Can default auto power off or manual power off.
* Temperature unit can default to $^{\circ}$ C or $^{\circ}$ F.
* Microcomputer circuit, intelligent function, high accuracy.
* Records Maximum and Minimum readings with recall.
* Data hold function for freezing the desired value.
* Heavy duty & compact housing case.
* Available for wide applications, such as aquarium, beverage, fish hatcheries, food processing, photography, laboratory, quality control, school & colleges, swimming pools, water conditions.

GENERAL SPECIFICATION

pH Electrode	Optional, Any pH electrode with BNC connector.	
Measurement	pH	0 to 14 pH
	mV	-1999 mV to 1999 mV
Input Impedance	10^{12} ohm	
Temperature Compensation for pH measurement	Manual	0 to 100 $^{\circ}$ C, be adjusted by push button on front panel.
	Automatic (ATC)	With the optional temperature probe (TP-07) 0 to 65 $^{\circ}$ C.
pH Calibration	pH 7, pH 4, and pH 10, 3 points calibration ensure the best linearity and accuracy.	
Circuit	Custom one-chip of microprocessor LSI circuit.	

Display	LCD size : 44 mm x 29 mm, dual function LCD display.
Data Hold	Freeze the display reading.
Memory Recall	Maximum & Minimum value.
Sampling Time of display	Approx. 1 second.
Power off	Auto power shut off to save battery life or manual power off.
Operating Temperature	0 to 50 $^{\circ}$ C.
Operating Humidity	Less than 80% RH.
Power Supply	006P DC 9V battery (Alkaline or Heavy duty type). DC 9V adapter input.
Power Current	Approx. DC 3.5 mA.
Weight	200 g/0.44 LB * Include probe and battery.
Dimension	135 x 60 x 33 mm.
Accessories Included	Instruction manual 1 PCS

Optional probe and accessories	<p>* pH electrode. PE-03, PE-11, PE-01, PE-06HD, PE-06HDA, PE-04HD, PE-03K7, PE-1, PE-02, PE-08.</p> <p>* Temp. probe for ATC..... TP-07</p> <p>* pH 7 buffer solution..... PH-07</p> <p>* pH 4 buffer solution..... PH-04</p> <p>* ORP electrode..... ORP-14</p> <p>* Hard carrying case..... CA-06</p> <p>* Soft Carrying case. CA-05A</p>
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ELECTRICAL SPECIFICATIONS (23± 5 °C)

Measurement	Range	Resolution	Accuracy
pH	0 to 14 pH	0.01 pH	± (0.02 pH + 2 d)
mV	0 to ± 1999 mV	1 mV	± (0.5% + 2 d)

* pH accuracy is based on calibrated meter only.
 * Above specification tests under the environment RF Field Strength less than 3 V/M & frequency less than 30 MHz only.

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

PH224S+1612

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