build ATC sensor, 0.01 pH

PEN pH METER

Model : PH-223   *ISO-9001, CE, IEC1010*

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FEATURES

* Pen type digital pH meter, all in one, pH electrode is included, easy for general purpose application.
* Build in temperature sensor for auto temperature compensation (ATC).
* pH 4, pH 7 standard solution are standard accessories.
* Easy to change the pH electrode.
* IP67, water proof and protection.
* Auto calibration for pH 4, pH 7 or pH 10.
* High input impedance.
* LCD with two displays.
* Data hold function for freezing the desired value.
* Auto power off.
* Records max. and min. value with recall.
* Microcomputer circuit, intelligent function, high accuracy.
* Compact size, light weight.
* Power supply by DC 1.5 V battery (UM4/AAA) x 4 PCs,
* Available for wide applications, such as aquarium, beverage, fish hatcheries, food processing, photography, laboratory, quality control, school & colleges, swimming pools, water conditions.

SPECIFICATIONS

Display	LCD, size : 20 mm x 28 mm.	
Measurement Range	pH	0 to 14 pH.
Resolution	pH	0.01 pH.

Accuracy	pH	± 0.02 pH
		  * After calibration, meter
		    without PE-12 electrode.

		± 0.2 pH
		  * After calibration, meter
		    with PE-12 electrode.

pH electrode	PE12, included.	
Compensation	Automatic temperature compensation (ATC).	

pH Input Impedance	10^12 ohms.
Data Hold	Freeze the display reading.
Memory Recall	Maximum & Minimum value.
Sampling Time	Approx. 0.8 second.
pH Calibration	pH 7, pH 4 or pH 10, 3 points calibration ensure the best linearity and accuracy.
Circuit	Custom one-chip of microprocessor LSI circuit.
Operating Temperature	0 to 60 ℃ (32 to 140 ℉).
Operating Humidity	Less than 80% RH.
Power Supply	DC 1.5V battery (UM-4/AAA) x 4 PCs.
Power Consumption	Approx. 4.8 mA.
Dimension	186 x 40 x 32 mm (7.3 x 1.6 x 1.3 inch). * Meter with pH electrode.
Weight	131 g/0.36 LB (included electrode).
Power off	Auto power shut off to save battery life.
Standard Accessories	Instruction Manual............................. 1 PC pH electrode, PE-12.......................... 1 PC pH 7.00 buffer solution, PH-07A......... 1 PC pH 4.00 buffer solution, PH-04A......... 1 PC *** PE-12, PH-07A, PH-04A are the consumer accessory.**
Optional Accessories	pH ELECTRODE, Model : PE-12 pH 7.00 buffer solution, Model : PH-07A pH 4.00 buffer solution, Model : PH-04A Hard carrying case, Model : CA-06 Soft carrying case, Model : CA-05A

* Appearance and specifications listed in this brochure are subject to change without notice.   1702-PH223