

*build ATC sensor, economic type*

# PEN pH METER

**Model : PH-223**

***ISO-9001, CE, IEC1010***



**Lutron**

**LUTRON ELECTRONIC**

***The Art of Measurement***

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# PEN PH METER

Model : PH-223

### 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. * With bar graph indicator.	
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	Included. * PE-12	
pH Temp. Compensation	build thermister Temp. sensor for automatic temperature compensation ( ATC ).	

pH Input Impedance	10 <sup>12</sup> 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	Meter : 0 to 60 °C ( 32 to 140 °F ).
	pH electrode : 0 to 80 °C ( 23 to 176 °F ).
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 <b>* PE-12, PH-07A, PH-04A are the consumer accessory.</b>
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.

1303-PH223