



*Separate electrode, Auto calibration*

# PEN pH TESTER

**Model : PH-220**

*ISO-9001, CE, IEC1010*



**Lutron**

**LUTRON ELECTRONIC**

*The Art of Measurement*



*Pen type, with separate electrode*

# PH METER

**Model : PH-220**

<b>FEATURES</b>	
* Pen type digital pH meter	
* Separate pH electrode, easy for general purpose usage and remote measurement.	
* Complete set with one separate pH electrode ( PE-11 ) and pH 4, pH 7 standard solution.	
* Can select the display direction ( normal or reverse ).	
* Water resistance, IP65 protection.	
* Auto calibration for pH 4, pH 7 or pH 10.	
* Build in reverse display button.	
* Data hold.	
* Auto power off.	
* Compact size, light weight.	
* Available for wide applications, such as aquarium, beverage, fish hatcheries, food processing, photography, laboratory, quality control, school & colleges, swimming pools, water conditions.	

<b>SPECIFICATIONS</b>	
Display	LCD, size : 20 mm x 28 mm. * <i>User can reverse the display direction by push button.</i>
Measurement Range	0 to 14 pH x 0.01 pH
Resolution	0.01 pH
Accuracy	± 0.07 pH ( pH 5 to pH 9 ) ± 0.1 pH ( pH 4 to pH 10 and beyond pH 5 to pH 9 ) ± 0.2 pH ( pH 1 to pH 3.9, pH 10.1 to pH 13 ) * $23 \pm 5^{\circ}\text{C}$ * <i>After calibration</i>
Input Impedance	$10^{12}$ ohms.
Temperature Compensation	Not necessary to make adjustment.
Sampling Time	Approx. 0.8 second.
Operating Temperature	0°C to 50°C ( 32°F to 122°F )
Operating Humidity	Less than 80% RH.
Calibration method	Auto calibration, pH 7, pH 4 ( or pH 10 ).
Power Supply	DC 1.5V battery ( UM-4/AAA ) x 4 PCs.
Power Consumption	Approx. 4.8 mA.
Dimension	Meter : 180 x 40 x 32 mm ( 7.1 x 1.6 x 1.3 inch ). Electrode : Body size : 9.5 mm dia. x 120 mm. Electrode cable length : approx.. 1.8 meter.
Weight	220 g/0.48 LB (included electrode).
pH electrode	Any pH electrode with BNC plug. pH electrode, PE-11 is included.
Standard Accessories	Instruction Manual..... 1 PC pH electrode, PE-11..... 1 PC pH 7.00 buffer solution, PH-07A..... 1 PC pH 4.00 buffer solution, PH-04A..... 1 PC * <i>PE-11, PH-07A, PH-04A are the consumer accessory.</i>
Optional Accessories	pH electrodes, Carrying case ( CA-05A ).