

*Separate soil pH electrode, Auto cal., IP-65*

# SOIL PH METER

**Model : PH-220S**

*ISO-9001, CE, IEC1010*



**Lutron**

**LUTRON ELECTRONIC**

*The Art of Measurement*

Pen type, separate pH soil electrode

# SOIL PH METER

Model : PH-220S

## FEATURES

* Complete set with pen pH meter, soil pH electrode, pH 4.0 /pH 7.0 standard buffer solution.
* Spear Tip pH electrode ( included ), ideal for penetration pH measurement into soil, meats, cheese and other type of measurements requiring sample penetration. The electrode features a very durable glass measuring spear packaged in a rugged virtually unbreakable epoxy body.
* Separate soil pH electrode, easy for general purpose usage and remote measurement.
* Auto calibration for pH 4, pH 7 or pH 10.
* Build in reverse display button.
* Data hold.
* Auto power off.
* Compact size, light weight.
* Optional carrying case.
* Water resistance on the front panel.
* Application : Agriculture, Gardening, Food industrial, Education, School, Colleges, Laboratory, Industrial and Quality control.

Operating Temperature	0 to 50 °C ( 32 to 122 °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	Meter :180 x 40 x 32 mm ( 7.1 x 1.6 x 1.3 inch ). Electrode : Body size : 12 mm dia. x 160 mm. Electrode cable length : approx.. 1000 mm.
Weight	220 g/0.48 LB (included electrode).
Standard Accessories	Instruction Manual..... 1 PC. Soil pH electrode, PE-06HD..... 1 PC. pH 4.0 buffer solution, PH-04A..... 1 PC. pH 7.0 buffer solution, PH-07A..... 1 PC.
Optional Accessories	* Soft carrying case with sash ( 210 x 110 x 55 mm ), Model : CA-05A * Hard carrying case ( 280 x 195 x 65 mm ), Model : CA-06

## SPECIFICATIONS OF METER

Display	LCD, size : 20 mm x 28 mm. * User can reverse the display direction by push button.
Measurement Range	0 to 14 pH x 0.01 pH
Resolution	0.01 pH
Accuracy	± 0.07 pH(pH5 to pH 9) ± 0.1 pH(pH4 to pH4.9, pH9.1 to pH10) ± 0.2 pH(pH1 to pH3.9, pH10.1 to pH13) * 23± 5°C * After calibration.
Input Impedance	10 <sup>12</sup> ohms.
Temperature Compensation	Not necessary to make adjustment.
Sampling Time	Approx. 0.8 second.
Hold Function	To freeze the display reading value.
Calibration method	Auto calibration, pH 7, pH 4 ( or pH 10 )
pH electrode connector	BNC connector.

## SPECIFICATIONS OF SOIL PH ELECTRODE, PE-06HD

pH Measuring Range	1 to 13 pH ( typical 0 to 14 pH ).
pH Operation Temperature	5 to 60 °C ( 41 to 140 °F ).
pH Electrode Structure	Combination type.
Reference of pH Electrode	Ag/AgCl, Double Junction.
Zero Potential for pH Value	7± 1 pH.
Repeatability	0.05 pH.
Response time	≥ 2 minutes.
Body Material	Epoxy.
Connector	BNC.
Mechanical Protection	With protection bottle ( soaker bottle ) on the electrode head.
Weight	68 g ( including cable & socket ).
Dimensions	Body length - 160 mm. Body Dia. - 12 mm. Cable length - 1000 mm.

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