

# SOIL PH METER

Model : PH-212

ISO-9001, CE, IEC1010

[www.yalab.com.tw](http://www.yalab.com.tw)

02-2389-0101



**Lutron**

[www.YaLAB.com.tw](http://www.YaLAB.com.tw)

*The Art of Measurement*

# SOIL PH METER

Model : PH-212

[www.YaLAB.com.tw](http://www.YaLAB.com.tw) 02-2389-0101

## FEATURE

- \* Kits with pH meter, soil pH electrode, pH 4.0 /pH 7.0 standard buffer solution and carrying case.
- \* 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.
- \* Build in Slop ( pH 4, pH 10 ) and Cal. ( pH 7 ) adjust VR.
- \* Large LCD display.
- \* Easy operation, compact size.
- \* Water resistance on the front panel.
- \* Full line optional general purpose pH electrodes.
- \* Application : Agriculture, Gardening, Food industrial, Education, School, Colleges, Laboratory, Industrial and Quality control.

## SPECIFICATION

Display	13 mm ( 0.5" ) LCD, 3 1/2 digits.
Measurement Range	0 to 14 pH x 0.01 pH
Resolution	0.01 pH
Accuracy	± 0.07 pH ( pH5 - pH 9 ) ± 0.1 pH ( pH 4 - pH 10 ) ± 0.2 pH ( pH 1 - pH 3.9, pH 10.1 - pH 13 ) * Main instrument only. * 23 ± 5 °C
Input Impedance	10 <sup>12</sup> ohms.
Temperature Compensation	Not necessary to make adjustment.
Sampling Time	Approx. 0.4 second.
Hold Function	To freeze the display reading value.
Power Supply	006P DC 9V battery.
Operating Temperature	0 to 50 °C ( 32 to 122 °F )
Operating Humidity	Less than 80% RH.
Calibration Knob	External pH 4 ( slope adj.) & pH 7 (Cal. adj.).
Power Consumption	Approx. 2.0 mA.
Dimension	135 x 60 x 33 mm, ( 5.3 x 2.4 x 1.3 inch ).
Weight	196 g/0.43 LB ( including battery ).
pH electrode (Optional)	Any connector pH Electrode with BNC connector.
Standard Accessories	Instruction Manual..... 1 PC Soil pH electrode, PE-06HD..... 1 PC pH 4.0 buffer solutuin, PH-04..... 1 PC pH 7.0 buffer solutuin, PH-07..... 1 PC Carrying case, CA-06..... 1 PC

## SOIL PH ELECTRODE ( Included )

H 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	$\geq$ 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.

PH-212+0907

**www.YaLAB.com.tw    02-2389-0101**