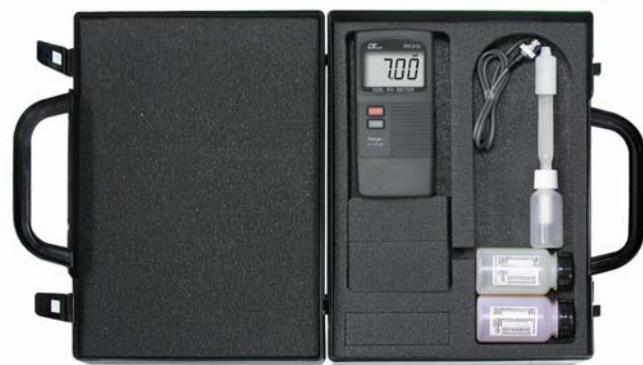


# SOIL PH METER

Model : PH-212

ISO-9001, CE, IEC1010



**Lutron**

**LUTRON ELECTRONIC**

*The Art of Measurement*

# SOIL PH METER

Model : PH-212

FEATURES	
* 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.	

SPECIFICATIONS			
Display	13 mm ( 0.5" ) LCD, 3 1/2 digits.	Operating Temperature	0 to 50 °C ( 32 to 122 °F )
Measurement Range	0 to 14 pH x 0.01 pH	Operating Humidity	Less than 80% RH.
Resolution	0.01 pH	Calibration Knob	External pH 4 ( slope adj.) & pH 7 (Cal. adj.).
Accuracy	± 0.07 pH ( pH5 - pH 9 )	Power Consumption	Approx. 2.0 mA.
	± 0.1 pH ( pH 4 - pH 10 )	Dimension	135 x 60 x 33 mm, ( 5.3 x 2.4 x 1.3 inch ).
	± 0.2 pH ( pH 1 - pH 3.9, pH 10.1 - pH 13 )	Weight	196 g/0.43 LB ( including battery ).
	* <i>Main instrument only.</i>	pH electrode (Optional)	Any connector pH Electrode with BNC connector.
	* $23 \pm 5 \text{ }^\circ\text{C}$	Standard Accessories	Instruction Manual..... 1 PC. Soil pH electrode, PE-06HD..... 1 PC. pH 4.0 buffer solutuoin..... 1 PC. pH 7.0 buffer solutuoin..... 1 PC. Carrying case..... 1 PC.
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.		

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

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

0503-PH212