

Moisture & Temperature 2 in 1

SOIL TESTER

Model : PMS-716

ISO-9001, CE, IEC1010



Lutron



LUTRON ELECTRONIC

The Art of Measurement

SOIL TESTER

Model : PMS-716

FEATURES

* Designed to check the soil's moisture and Temp. level or other similar material, 2 in 1.
* All in one digital soil meter, easy to make operation.
* Moisture measurement range : 0 % to 50 % moisture content of soil sample with 0.1 % resolution.
* Temp. measurement range : 0 °C to 50 °C of soil sample with 0.1 °C resolution.
* Temperature unit : °C/°F.
* Data hold function to freeze the desired value on display.
* Microprocessor circuit ensures high accuracy and provides special functions and features.
* Operates from DC 1.5V (UM4/AAA) x 4 PCs batteries.
* Built-in low battery indicator.
* Durable, long-lasting components, enclosed in strong, compact ABS-plastic housing.

General/ Electrical Specification (23 ±5°C)

Applications	Designed to check the moisture & temperature level of soil .	
Measuring Principal	Used the 2 pins electrode to measure the Principal conductive ability of the species, then converter to the reading of % " Moisture content " of soil sample. and Used Thermister NTC to measure the reading of °C " temperature " of soil sample.	
Display	LCD size : 28 mm x 19 mm.	
Measurement Range	0 % to 50 % Moisture on soil.	0 °C to 50 °C Temperature on soil.
Resolution	0.1 %.	0.1 °C.
Accuracy	± (5 % F.S.+ 5 d)	± (1.5 % F.S.+ 5 d)
	@ 23 °C ± 5 °C, F.S. : full scale.	
Circuit Probe	Custom one-chip of microprocessor LSI circuit. Thermister NTC	
Data Hold	Freeze the display reading.	
Sampling Time	Approx. 0.8 second.	
Operating Temperature	0 to 40 °C.(Instrument block)	
Operating Humidity	Less than 80% R.H.	
Power Supply	DC 1.5 V battery (UM4/AAA) x 4 PCs,	
Power Current	Approx. DC 8 mA	
Weight	267 g/ 0.58 LB. @ Battery is included.	
Dimension	<i>Meter body :</i> 172 x 40 x 40 mm (6.8" x 1.6" x 1.6"). <i>Probe body :</i> 202 mm x Dia. 10 mm 8.2" x Dia. 0.2" . <i>Total length (meter + probe) :</i> 374 mm (14.7 ").	
Accessories Included	Instruction manual..... 1 PC.	
Optional Accessory	Hard carrying case, CA-06	

* Spec. tested under the environment RF Field Strength less than 3 V/M & frequency less than the 30 MHz only.