

Moisture & Temperature 2 in 1

SOIL TESTER

Model : PMS-716

ISO-9001, CE, IEC1010

www.yalab.com.tw

02-2389-0101



IP67, water proof and protection

2 pins electrode

Moisture
0 % to 50.0 %

Temp.
0 °C to 50.0 °C

Data Hold



Lutron

www.YaLAB.com.tw

The Art of Measurement

SOIL TESTER**Model : PMS-716**www.YaLAB.com.tw 02-2389-0101**FEATURE**

- * 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.

ELECTRICAL SPECIFICATIONS (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 mmx19 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) @ 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	Meter body :172 x 40 x 40 mm (6.8" x 1.6" x 1.6").	
	Probe body :202 mm x Dia. 10 mm 8.2" x Dia. 0.2" .	
	Total length (meter + probe) : 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.

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

PMS-716+181101