

Moisture & Temperature 2 in 1

SOIL TESTER

Model : PMS-716

ISO-9001, CE, IEC1010



LUTRON ELECTRONIC

The Art of Measurement

SOIL TESTER

Model : PMS-716

FEATURES

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| * 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)

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| 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.