

Description:

The 'Virtual' make Digital Soil Moisture Meter, used with the Soil Moisture Sensor and Soil Temperature Sensors (Optional), make up a valuable system to monitor the soil moisture & temperature available in your soil. You can use as many sensors as you like at representative sites. Then, using the Digital Soil Moisture Meter you can read each sensor individually as frequently as necessary. The importance of water to plant growth is well known.

The sensors are buried in representative areas in the field to monitor soil moisture & Temperature changes in the area of active root growth. They are buried at one or more levels, depending on the crop and the depth of the root zone. When the sensor's lead wires are connected to the meter, an indication of the available soil moisture & Temperature is immediately obtained on the meter display. The meter readings can be converted into terms of available soil moisture or soil moisture tension by referring to calibration curves, which are part of the operating instructions.



The terminal has its internal memory along with, a real time clock with an LCD (16 X 2) to display the instrument status. It is a self-contained power source system, fitted with 2XAA Alkaline type batteries with battery level display, complete with sensor mounted on a leveling Base Plate. Sensor powered directly from Handheld terminal and no need of external power source. 4x2 keypad is provided for programming data logger and monitoring sensor reading at site without the help of computer. Memory: more than 16000 data sets (at user selectable interval). Can store up-to 9 different sites data with Site ID. USB port is provided for data downloading from terminal to Computer/Laptop. Data file is saved in Microsoft's Excel Format.



Soil Moisture Sensor:

Type: Granular Matrix
Range: 0 to 200 Centibar 0 to 100%
Accuracy $\pm 3 \%$
Output: Change of Resistance



Soil Temperature Sensor: (Optional)

Range: - 10 to 110 ° C.
Accuracy: $\pm 0.5 \text{ }^\circ\text{C}$
Resolution: 0.1 ° C
Output: Analog (10 mV / ° C)

Ordering Guide:

SN	Description	(Model No.)
1	Digital Soil Moisture Meter	DSMM-S
2	Digital Soil Moisture Meter (with Soil Temperature)	DSMM-ST

Virtual



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Represented by:

**** Drawing & specifications are subjected to change at any time without prior notice as per manufacturing suitability.**