Soil Measurements

Soil Tensiometer (Gauge Type)

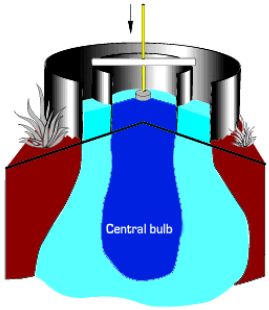
'Virtual' make tensiometer measures the force with which water is held in the soil by the soil particles. The basic components of a tensiometer include a porous ceramic cup, a plastic body tube, and a vacuum gauge (Sold Separately).

The tensiometer is available in a variety of lengths, ranging from 15 cm to 90 inches. Service kit required with Soil Tensiometers (Sold extra). One Service Unit will service multiple instruments

Soil Suction Lysimeter

The suction lysimeter is a cylindrical device consisting of a porous ceramic cup (to withdraw soil pore water using a vacuum); a body tube to act as a reservoir; and a simple stopper assembly with a single hole for pulling a vacuum and retrieving the sample.

We offers three different lengths: 30 cm, 60 cm, or 90 cm.



Double Ring Soil Infiltrometer

The double ring Infiltrometer is a simple instrument which is used to determine the infiltration rate of water into the soil. The infiltration rate is determinate as the amount of water per surface area and time unit, which penetrates the soils.

The instrument consists of two concentric rings, driving plate, for inner and outer rings. The outer ring (ID = 45 cm); the inner ring (ID = 30 cm). The rate can be calculated on the basis of the measurements and the DARCY's

Digital Soil Infiltrometer

The Digital Infiltrometer is a simple instrument which is used to determine the infiltration rate of water into the soil. Now, a field instrument to measure the rate of water infiltration on all areas. This instrument determines the downward flow of water through the turf and soil

- Inner ring diameter (ID) of 2 3/8 inches (6.03 cm)
- Inner ring height 7 inches tall (5 inches (12.7 cm) of water on top of the soil when inserted to depth limit ring
- Inner ring hold approximately 0.5 L (When inserted into soil)
- Inner ring surface area = 11.176 cm2
- Outer ring diameter (ID) of 4 1/4 inches (10.79 cm)
- Outer ring height 6 inches tall (4 inches (10.1 cm) of water on top of the soil when inserted to depth limit ring
- Outer ring hold approximately 0.75 L (When inserted into soil)

Soil Permeability Apparatus

Soil Permeability Test Apparatus is a property of soil that permits the flow of water through its interconnecting voids.

Soil Permeability Apparatus comes with glass tubes of 75mm, bore tube is provided with overflow arrangement for constant head tests. The remaining tubes are used for falling head test.

STANDARD: IS 2720 (PART-XV), IS:12287, BS:1377, ASTM D2435

Digital Soil Moisture Meter

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.

Soil Moisture & Temperature Recorder

'Virtual' make Soil Moisture Temperature Recorder offers professional Soil monitoring and good value for money. The standard Soil Moisture Temperature Recorder consists of a weatherproof enclosure, which contains the data logger and power supply, and comes complete with a solar panel, tripod stand and Soil Moisture Sensors (Watermark) & Temperature sensor.

Sensor Input: Seven Soil Moisture & One Soil Temperature Sensor
Sensor can be extended up-to 8-Soil moisture & 8-Soil Temperature Sensors (at extra cost)
Parameter Monitored: Date, Time, Soil Moisture suction in Centibars & Soil Temperature in °C, Battery Voltage.
GSM GPRS Based Telemetry Option available at Extra Cost

Soil Moisture, Temperature & EC Recorder

'Virtual' make Soil Moisture Temperature Recorder offers professional Soil monitoring and good value for money. The standard Soil Moisture Temperature Recorder consists of a weatherproof enclosure, which contains the data logger and power supply, and comes complete with a solar panel, tripod stand and Soil Moisture, Temperature & EC sensor.

Sensor Input: Eight Soil Moisture, Temperature & EC sensor
Parameter Monitored: Date, Time, Soil Moisture, Temperature, EC and Battery Voltage.
GSM GPRS Based Telemetry Option available at Extra Cost

Digital Soil Moisture, Temperature and Salinity Meter

EC-350 Digital Soil Moisture, Temperature and Salinity Meter displays soil moisture percentage, soil temperature °F, and soil salinity cS/m. May be used in a variety of soils, and is unaffected by temperature, pH, dissolved salts, or metallic ions.

Simply insert probe at least six inches into reasonably soft, moist area and press appropriate test button. Results appear quickly. Rapidly perform multiple tests at various depths and locations. Just wipe off probe after each test. Features 30" stainless steel probe, clay, loam and sand scales printed on meter's face panel, and soft foam handles. Informative user's guide and 9V battery included.

FieldScout TDR 350 Soil Moisture Meter

The TDR 350's shaft-mounted probe allows the user to take measurements while standing. The meter's built-in data logger can record data from several sites and eliminates the need to record data manually. The data points can be viewed with the FieldScout Mobile app that maps out soil measurements using logged GPS locations. Measurements can also be saved to a USB drive that is plugged into the built-in USB port. TDR rods are sold separately

Measurement Units Percent volumetric water content (VWC) Period (raw sensor reading)

Virtual Hydromet
1105/1, Salempur Rajputana Industrial Estate
Roorkee- 247667, Haridwar, Uttarakhand, INDIA
Tel:+91-7088-772-772, vhydromet@yahoo.com

Represented by:

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