

## Soil Moisture - Portable Kits

Most of our soil moisture sensors are available in kit form providing a convenient solution for fast and accurate spot checking of soil moisture. These kits come complete with readout units, accessories and carry cases.

### SM150 Kit

- Complete low-cost kit
- $\pm 3\%$  accuracy

The SM150 Soil Moisture Kit is an affordable and easy-to-use tool for obtaining reliable moisture measurements with minimal soil or substrate disturbance. The kit's low price and simplicity make it ideal for student projects.



The kit comprises an SM150T Soil Moisture Sensor, a dedicated readout meter and a carry case. The cable and connector are watertight - an essential requirement for potentially wet environments.

The meter displays volumetric water content (% volume)\*.

Brief Specification	
Accuracy	$\pm 3\%$ (with soil specific calibration)
Range	0 - 100% soil water content
Power	2 x AA batteries - approx 10,000 readings
Sampling volume	70 mm x 55 mm diameter cylinder
Environmental	Waterproof (IP68 for sensor only)
Memory	No storage of readings

### WET150 Kit

- Lower cost multi-parameter sensor kit
- Instant measurements of moisture, temperature and EC

The WET150 Kit is a portable and rugged solution for researchers and growers who need to assess moisture, temperature and salinity conditions in soils and substrates.



The kit comprises a WET150 Sensor and WET150 Meter. The meter is an easy to use readout-only device (no data recording or other complications) making operation fast and straightforward.

Brief Specification	
Accuracy	$\pm 3\%$ (with soil specific calibration) For pore water conductivity (ECp) accuracy see graph on page 5
Range	5 - 100% soil water content
Power	2 x AA batteries - approx 2,400 readings
Sampling volume	55 x 70 mm diameter
Environmental	IP68, -20 to +60°C (for sensor only)
Memory	No storage of readings

### ML3 ThetaKit

- Class leading  $\pm 1\%$  soil moisture accuracy
- Complete kit with readout unit and case

The ML3 ThetaKit provides researchers with a portable tool for highly accurate, near instantaneous measurement of moisture levels in soils and substrates.



The ThetaKit is easy to use. Simply switch the connected HH2 Moisture Meter on, insert the probe pins fully into the soil, and press the HH2's "Read" button to display the moisture measurement\*. Readings can then be stored with a single button press (if required) - and downloaded to PC later.

The kit comprises an ML3 ThetaProbe Soil Moisture Sensor, an HH2 Moisture Meter (readout unit), replacement sensor rods, and a carry case.

See page 7 for Ordering Information.

### Ideal for sports turf

The ThetaKit enables fast and precise soil moisture management, enabling turf health to be accurately monitored.

Brief Specification	
Accuracy	$\pm 1\%$ (with soil specific calibration)
Range	0 -100% soil water content
Power	9 V PP3 battery - approx 5000 readings
Sampling volume	60 mm x 30 mm diameter cylinder
Environmental	Waterproof (IP68 - for sensor only)
Memory	Up to 1500 readings

For information on the WET Kit See page 7



\* Please note that although the SM150T and ML3 both have a built-in temperature sensor, their accompanying hand held meters do not measure or display temperature.