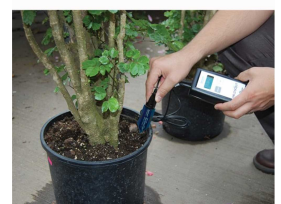




Spectrum WaterScout SMEC 300 Sensor (6.1m Cable)

Product Images





Short Description

Track water, salts, and soil temperature: all with a single sensor! 20 foot cable included

Description

Track soil moisture, salts, and soil temperature: all with a single sensor!

WaterScout SMEC 300 Sensor with 20 foot cable.

Measures soil moisture (VWC), electrical conductivity (EC), and soil temperature.

Large EC electrodes for greater accuracy.

Additional Information

Brand	Spectrum Technologies
Explanation	<p>Whether it's container pots in a greenhouse or turf on a putting green, the salinity of the root zone is a critical element for healthy plant growth. Irrigation, fertilisers, and crop demand all impact salt concentrations. High levels can damage the plant: low levels can lead to nutrient deficiencies.</p> <ul style="list-style-type: none">• Capacitance-type soil moisture sensor• Carbon ink electrodes provide large measuring surface for EC• Easy, 1-step EC calibration process.
Compatibility	<p>Can be read with either the FieldScout® Soil Sensor Reader to take fast and accurate spot readings), or WatchDog® 2000 and 1000 Series Stations (with Spec 9 Pro Software).</p>
Sensors	<p>Also available with 6 foot cable.</p> <ul style="list-style-type: none">• Standard Interface: WatchDog station, FieldScout soil moisture reader• Range: VWC: 0% VWC to saturation, EC: 0 to 10 mS/cm, Temp: 0 - 122°F (-18 - 50°C)• Resolution: VWC: 0.1%, EC: 0.01 mS/cm, Temp: 0.1°F (0.1°C)• Accuracy: VWC: 3%, EC: ± 2%, Temp: ± 1.4°F (0.8°C)• Cable Length: 6 ft (1.8 m) and 20 ft (6 m) standard, extendable up to 50 ft (15 m)• Power Requirements: 3V @ 6 to 10 mA• Output: Analogie voltage, time division multiplexed• Sensing Area: 2.25 in. x 0.75 in.
Measurements	Soil Electrical Conductivity (EC), Soil Moisture, Soil Temperature
Ideal For	Agronomy
Installation	<p>Over time the SMEC 300 Calibration Device may be required for sensors attached to Weather Stations. This device is included in the Sensor Reader.</p>