



# Spectrum WaterScout SMEC 300 Sensor (1.8m Cable)

## Product Images





## Short Description

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Track water, salts, and soil temperature: all with a single sensor! 6 foot cable included

## Description

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# 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"><li>• Capacitance-type soil moisture sensor</li><li>• Carbon ink electrodes provide large measuring surface for EC</li><li>• Easy, 1-step EC calibration process.</li></ul>
Compatibility	<p>Can be read with either the <a href="#">FieldScout® Soil Sensor Reader</a> to take fast and accurate spot readings), or <a href="#">WatchDog® 2000 and 1000 Series Stations</a> (with <a href="#">Spec 9 Pro Software</a>).</p>
Sensors	<p>Also available with <a href="#">6.1 metre (20 foot) cable</a>.</p> <ul style="list-style-type: none"><li>• Standard Interface: WatchDog station, FieldScout soil moisture reader</li><li>• Range: VWC: 0% VWC to saturation, EC: 0 to 10 mS/cm, Temp: 0 - 122°F (-18 - 50°C)</li><li>• Resolution: VWC: 0.1%, EC: 0.01 mS/cm, Temp: 0.1°F (0.1°C)</li><li>• Accuracy: VWC: 3%, EC: ± 2%, Temp: ± 1.4°F (0.8°C)</li><li>• Cable Length: 6 ft (1.8 m) and 20 ft (6 m) standard, extendable up to 50 ft (15 m)</li><li>• Power Requirements: 3V @ 6 to 10 mA</li><li>• Output: Analogue voltage, time division multiplexed</li><li>• Sensing Area: 2.25 in. x 0.75 in.</li></ul>
Measurements	Soil Electrical Conductivity (EC), Soil Moisture, Soil Temperature
Ideal For	Agronomy