



SMEC 300 Soil Moisture/EC/Temperature Sensor

Identify situations where soil salinity is an issue or where certain moisture and temperature conditions facilitate soil-borne diseases.

- Capacitance-type soil moisture sensor
- Carbon ink electrodes provide large measuring surface for electrical conductivity (EC)
- Easy, 1-step EC calibration process
- Can be read with the FieldScout® Soil Sensor Reader (Item 6466) or WatchDog 2000, 1000 Series Stations, and WatchDog Pups
- Connect up to 4 sensors per station
- Recommended placement of sensors is 10 feet separation to prevent EC interference when in the same medium
- WaterScout Calibration Device required unless using Soil Sensor Reader (Item 6466)

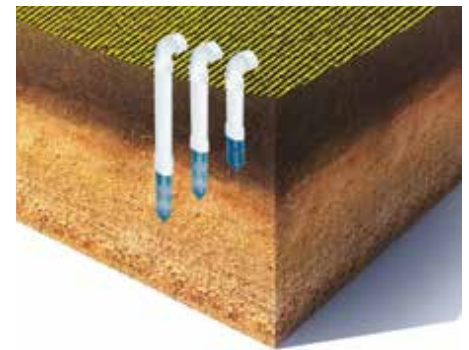
WatchDog Stations sold prior to 2012 must be upgraded (Contact for support)

6470-6	WaterScout SMEC 300 Sensor - 6 ft (1.8 m)
6470-20	WaterScout SMEC 300 Sensor - 20 ft (6 m)
6470CAL3V	WaterScout Calibration Device
2251	Conductivity Standard, 1.41 mS/cm, 250 mL



SPECIFICATIONS FOR WATERSCOUT SMEC 300

Standard Interface: WatchDog weather station, Pups, and FieldScout soil moisture reader
Range: VWC: 0% VWC to saturation, EC: 0 to 10 mS/cm, Temp: 33 - 175°F (0.5 - 80°C)
Resolution: VWC: 0.1%, EC: 0.01 mS/cm, Temp: 0.1°F (0.1°C)
Accuracy: VWC: 3%, EC: ±2%, Temp: ±1°F (0.6°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: Analog voltage, time division multiplexed
Sensing Area: 2.25 in. x 0.75 in. (5.7 x 2 cm)



FIELDSCOUT® Soil Sensor Reader

Spot-check WaterScout SM 100 and SMEC 300 sensors in the field.

- Also reads Watermark sensors (requires separate adapter)
- Includes soft-sided case (also available separately)

6466	FieldScout® Soil Sensor Reader
6450FSADPT	Watermark Adapter for Soil Sensor Reader
7500	Soft-Sided Carrying Case*

* Item 7500 will also fit the WatchDog 1000/2000 Series Data Shuttle (Item 3679WD), LightScout Red/Far-Red Meter (Item 3412), LightScout Quantum Light Meters (four models) and the LightScout External Light Sensor Reader (Item 3415FX)

