

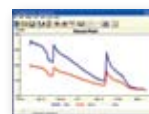
## WaterScout SM 100 Compatibility



Actual size

### Software Requirement

SpecWare 9.0 Build 202 or greater



### Hardware Options

#### FieldScout Soil Sensor Reader (Item # 6465)

- Not a data logger.
- Reads one sensor at a time.
- Firmware version 3.0 or greater.



#### WatchDog 2000 Series Weather Stations (Models 2550, 2700, 2800, 2900ET)

- SM 100 sensors can be used in any available port.
- Requires firmware v. 6.1 or greater (Model 2800 requires firmware v. 2.4).
- Full compatibility built in starting at serial number 2310.
- Stations supporting up to eight SM 100 sensors have a "W" in the manufacturing code (next to serial number).
- 2000 Series stations without the "W" code can accommodate two WaterScout sensors, one in channels C, D, E, or F, the other in the remaining channels.



#### WatchDog 2000 Series Mini Stations (Models 2400, 2425, 2450, 2475)

- SM 100 sensors can be used in any available port.
- Requires firmware v. 1.9 or greater.
- Full compatibility built in starting at serial number 2310.
- Stations supporting up to four SM 100 sensors have a "W" in the manufacturing code (next to serial number).
- Original 2000-series mini stations without the "W" code can accommodate one WaterScout sensor.



#### WatchDog 1000-Series Data Loggers (Models 1200, 1225, 1400, 1425, 1450, 1525, 1650)

- SM 100 sensors can be used in any available port.
- All firmware versions are compatible with the SM 100.



#### WatchDog "Original" Weather Stations (Models 525, 550, 600, 700, 900ET)

- Incompatible. Module can be upgraded to 2000 Series

#### WatchDog C-Series (Original) Data Loggers

- Incompatible



#### WatchDog A-Series Data Loggers

- Incompatible



### Competitor Comparison

Sensor	Accuracy	Dimensions	Measurement Principle	Oscillator Frequency	Soil EC Limit	Ease of Installation	Cost
SM 100	±3%	w: 20mm l: 67mm	Capacitance	80 MHz	< 8mS/cm	★★★★	\$\$
EC-5	±3%	w: 18mm l: 89mm	Capacitance	70 MHz	< 8mS/cm	★★★	\$\$\$
ECHO 10/20	±4%	w: 3.2mm l: 25.4mm	Capacitance	5 MHz	< 0.5mS/cm	★	\$\$\$\$
Watermark	N/A	d: 20mm l: 82mm	Resistance	N/A	N/A	★★	\$