

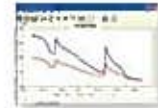
WaterScout SM 100 Compatibility



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, 1630)

- 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	★★	\$