



# Spectrum WatchDog 1450 Plant Growth Station (Temperature & Humidity + 2 External Ports) + PAR Sensor

## Product Images



## Short Description

Monitor conditions crucial to growing high quality plants.

Includes 1450 Micro Station Logger with internal temperature and humidity, and 2 external ports, plus PAR Sensor included.

## Description

Includes a Watchdog Model 1450 Micro Station, PAR light sensor and radiation shield

Requires SpecWare 10 Basic or Pro software

Buy this station as a package and save.

Micro Stations are the cost-effective choice for recording environmental conditions over a period of time. Whether your needs are plant disease alerts or soil moisture monitoring, the WatchDog 1000 Series Micro Station will deliver the information you need for timely, accurate data that will result in increased profits.

The LCD display confirms station operation and provides current sensor readings. View the current temperature during a freeze event, or soil moisture prior to irrigating – without downloading to a PC. Customisable with up to two external plug-in sensors.

Change monitoring parameters from one season to the next, simply by connecting a different sensor - keeping investment costs down while making more profitable decisions.

## Additional Information

Brand	Spectrum Technologies
Measurements	Humidity, PAR/Quantum Light, Solar Radiation, Temperature
Typical applications	Environmental (Outdoor), Field Research, Weather Monitoring
Explanation	<p>WatchDog 1000 Series Micro Stations combine the inexpensive reliability of simple data loggers with pre-packaged sensors specific to a growers micro environment need.</p> <p>Data Loggers are the cost-effective choice for recording environmental conditions over a period of time. Whether your needs are plant disease alerts or soil moisture monitoring, the WatchDog Data Logger will deliver the information you need for timely, accurate data that will result in increased profits.</p> <p>The LCD display confirms logger operation and provides current sensor readings. View the current temperature during a freeze event, or soil moisture prior to irrigating – without downloading to a PC. Customizable with up to four unique external plug-in sensors.</p> <p>Change monitoring parameters from one season to the next, simply by connecting a different sensor - keeping investment costs down while making more profitable decisions.</p>
Contents	<p># The cost-effective choice for recording multiple environmental conditions # Internal sensors can include temperature and humidity # With up to 4 external sensor ports, you choose the sensors you need # LCD displays current sensor readings and battery level # Select measurement intervals from 1 to 60 minutes # Log 10,584 intervals (220 days at 30 minute intervals) # Data is stored in fail-safe non-volatile memory # Water-resistant case # Transfer data with a direct-connect cable or Data Shuttle</p>
Ideal For	Agronomy
Batteries	1 x CR2450 (12 month life)
Power	Battery Only
Software	Requires SpecWare 10 Basic or Pro software
Specification	<p>Temperature range: -40 to 185°F (-40 to 85°C) Accuracy: ±1.1°F (±0.6°C) at -4 to 122°F (-20 to 50°C) else ±2.2°F (±1.2°C) RH range: 0 - 100% Accuracy: ±3% at 77°F (25°C 10 - 90%) else ±5%</p>



## Additional Options

<b>Software Version</b>	SpecWare 10 Pro Software
	SpecWare 10 Basic Software
<b>Optional Plant Disease and Insect Alert Modules for SpecWare 9 Pro Software (hold down Ctrl &amp; click to select multiple options)</b>	Apple/Pear Alert Package
	Grape Alert Package
	Tomato Alert Package
	Potato Alert Package
	Cherry Alert Package
	Turf Alert Package
<b>Other Accessories (hold down Ctrl &amp; click to select multiple options)</b>	Radiation Shield
	Sliding Enclosure to protect Micro Station
	Waterproof Enclosure
	Data Shuttle
<b>Optional Sensors (hold down Ctrl &amp; click to select multiple options)</b>	Silicon Pyranometer Sensor
	UV Light Sensor
	Quantum / PAR Light Sensor
	3 Sensor Quantum / PAR Light Bar
	6 Sensor Quantum / PAR Light Bar
	SM 100 Soil Moisture Sensor (with 1.8m cable)
	SM 100 Soil Moisture Sensor (with 6.1m cable)
	SMEC 300 (Soil Moisture/EC/Temperature) Sensor with (with 1.8m cable)
	SMEC 300 (Soil Moisture/EC/Temperature) Sensor with (with 1.8m cable)
	SMEC 300 EC Calibration Device

	External Soil/Air/Water Temperature Sensor (with 1.8m cable)
	External Soil/Air/Water Temperature Sensor (with 6.1m cable)
	Soil Moisture Sensor (with 6.1m cable)
	Soil Moisture Sensor (with 1.8m cable)
	Tipping Bucket Rain Collector
	Tensiometer Pressure Transducer
	Irrigation On/Off Sensor
	Barometric Pressure Sensor
	Temperature Micro Sensor (to measure surface temperature of leaves & other applications)
	Leaf Wetness Sensor
	CO2 Sensor
<b>Mounting Options</b>	Universal Mounting Pole Kit (WS-7717) (Limited Offer)!
	Universal Crank-shaped Mounting Pole Kit (WS-7715-CRANK)
	Davis Mounting Pole Kit (DI-7717)
	Davis EZ-Mount Tripod (DI-7716-00)