



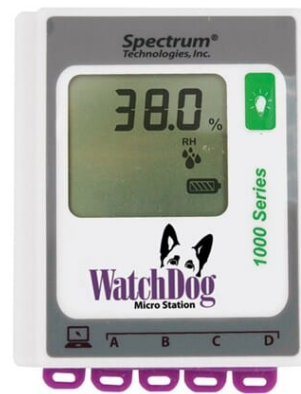
# Spectrum WatchDog 1450 Micro Station Data Logger (1 Internal Temp & Humidity Sensor & 2 External Sensor Ports)

## Product Images



DESCRIPTION	INTERNAL SENSOR	EXTERNAL PORTS	MAX NUMBER OF BRQ-20 SENSORS
MODEL 1450 Part 2049001	TEMPERATURE RELATIVE HUMIDITY	4	2
MODEL 1452 Part 2049001	TEMPERATURE RELATIVE HUMIDITY	2	1
MODEL 1452 Part 2049001	TEMPERATURE	3	1
MODEL 1452 Part 2049001	NONE (EXTERNAL ONLY)	4	2
MODEL 1528 Part 2049001	TEMPERATURE RELATIVE HUMIDITY	NONE	0
MODEL 1528 Part 2049001	TEMPERATURE	1	0
MODEL 1528 Part 2049001	NONE (EXTERNAL ONLY)	2	1
MODEL 1528 Part 2049001	RAINFALL	NONE	0
MODEL 1515 Part 2049001	REQUIRES EXTERNAL RAINFALL	1	0





## Short Description

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Micro Stations are the cost-effective choice for recording environmental conditions. With a huge range of interchangeable sensors available to monitor air/soil temperature, humidity, soil moisture, UV, rainfall and much more; WatchDog 1000 Series Micro Stations deliver vital information for timely, accurate decisions.

Notes: If you only need a data logger with external sensors; please see the other [1000 Series Micro Stations](#). All Micro Stations have 4 sensor ports (as shown in the images); between 0 and 4 of these are functional, dependent on the model.



## Additional Information

Brand	Spectrum Technologies
Measurements	Barometric Pressure, CO2, Humidity, Leaf Wetness, PAR/Quantum Light, Rainfall, Soil Moisture, Solar Radiation, Temperature, UV, Water Temperature
Typical applications	Datalogging, Environmental (Indoor), Environmental (Outdoor), Field Research, Weather Monitoring
Explanation	<ul style="list-style-type: none"><li>• In addition to the internal temperature and humidity sensor, you can attach up to two optional external sensors (select the sensors you need from the 'Optional Sensors' above)</li><li>• LCD screen displays current sensor readings and battery level</li><li>• Select measurement intervals from 1 to 60 minutes</li><li>• Log 10,584 intervals (220 days at 30 minute intervals), 8,064 intervals with virtual channels enabled (for <a href="#">SMEC 300</a> soil moisture, EC and temperature sensor)</li><li>• Data is stored in fail-safe non-volatile memory</li><li>• Water-resistant case</li><li>• Transfer data with a data transmission cable (included with the SpecWare software package), or <a href="#">Data Shuttle</a></li></ul>
Ideal For	Agronomy
Batteries	1 x CR2450 (12 month life) included
Power	Battery only
Compatibility	View a <a href="#">WatchDog Product Line compatibility chart (PDF)</a> to ensure you are selecting the correct model for your requirements.
Sensors	View <a href="#">the complete range of compatible sensors and accessories (PDF)</a> . To purchase these, select from the 'Optional Sensors' / 'Other Accessories' above.
Software	<ul style="list-style-type: none"><li>- Requires <a href="#">SpecWare 9 Basic or Pro (v9.2 or later)</a> software.</li><li>- Download the accumulated data at your convenience. SpecWare will present the data in graphical and tabular form.</li><li>- Use the software to calculate growing degree days and chill hours, and/or view daily, monthly, and yearly reports.</li><li>- Optional disease models can assist you with Integrated Pest Management decisions.</li><li>- The Pro version is required for disease models and custom reporting.</li></ul>

Installation	<ul style="list-style-type: none"><li>- We offer a water-resistant <a href="#">Sliding Enclosure</a> and a <a href="#">Waterproof Enclosure</a> to protect your micro station from the elements.</li><li>- For outdoor and greenhouse use, the WatchDog station must be placed in a <a href="#">Radiation Shield</a> to protect it from solar radiation and other sources of reflected heat. The radiation shield also protects the station from rain.</li></ul> Select from the 'Other Accessories' above.
Specification	Temperature measurement range: -40 to 85°C. Accuracy: $\pm 0.6^{\circ}\text{C}$ at -20 to 50°C, else $\pm 1.2^{\circ}\text{C}$ RH range: 0 - 100%. Accuracy: $\pm 3\%$ at 25°C within 10 - 90% RH, else $\pm 5\%$ Operating Temperature Range: -30° to 55°C

## Additional Options

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<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)