



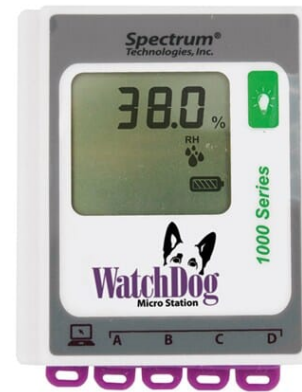
Spectrum WatchDog 1400 Micro Station Data Logger (4 External Sensor Ports)

Product Images



DESCRIPTION	INTERNAL SENSORS	EXTERNAL PORTS	MAX NUMBER OF EXTERNAL SENSORS
MODEL 1400 Rev 3049001	TEMPERATURE RELATIVE HUMIDITY	4	2
MODEL 1401 Rev 3049001	TEMPERATURE	4	2
MODEL 1402 Rev 3049001	TEMPERATURE RELATIVE HUMIDITY	2	1
MODEL 1403 Rev 3049001	TEMPERATURE	3	1
MODEL 1404 Rev 3049001	NONE (EXTERNAL ONLY)	4	2
MODEL 1405 Rev 3049001	TEMPERATURE RELATIVE HUMIDITY	NONE	0
MODEL 1406 Rev 3049001	TEMPERATURE	1	0
MODEL 1407 Rev 3049001	NONE (EXTERNAL ONLY)	2	1
MODEL 1408 Rev 3049001	RAINFALL	NONE	0
MODEL 1409 Rev 3049001	REQUIRES EXTERNAL RAINFALL	1	0





Short Description

Logger with 4 external ports.

Description

The WatchDog 1400 Micro Station receives environmental data from up to four external sensors.

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.

Note: the 1400 Micro Station does not contain any internal sensors. If you require built-in temperature and/or humidity sensors, please see our [1000 Series Micro Station options](#).

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">• Attach up to 4 external sensors (select the sensors you need from the 'Optional Sensors' above)• LCD screen 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), 8,064 intervals with virtual channels enabled (for SMEC 300 sensor)• Data is stored in fail-safe non-volatile memory• Water-resistant case• Transfer data with a data transmission cable (included with the SpecWare software package), or Data Shuttle
Ideal For	Agronomy
Batteries	1 x CR2450 (12 month life), included
Power	Battery only
Compatibility	View a WatchDog Product Line compatibility chart (PDF) to ensure you are selecting the correct model for your requirements.
Sensors	View the complete range of compatible sensors and accessories (PDF) . To purchase these, select from the 'Optional Sensors' / 'Other Accessories' above.
Software	<ul style="list-style-type: none">- Requires SpecWare 9 Basic or Pro (v9.2 or later) software.- Download the accumulated data at your convenience. SpecWare will present the data in graphical and tabular form. Use the software to calculate growing degree days and chill hours, and/or view daily, monthly, and yearly reports.- Optional disease models can assist you with Integrated Pest Management decisions.- The Pro version is required for disease models and custom reporting.

Installation	<ul style="list-style-type: none">- We offer a water-resistant Sliding Enclosure and a Waterproof Enclosure to protect your micro station from the elements.- For outdoor and greenhouse use, the WatchDog station must be placed in a Radiation Shield to protect it from solar radiation and other sources of reflected heat. The radiation shield also protects the station from rain. <p>These can be selected from the 'Other Accessories' above.</p>
Specification	Operating Temperature Range: -22° to 130°F (-30° to 55°C)

Additional Options

Software Version	SpecWare 10 Pro Software
	SpecWare 10 Basic Software
Optional Plant Disease and Insect Alert Modules for SpecWare 9 Pro Software (hold down Ctrl & click to select multiple options)	Apple/Pear Alert Package
	Grape Alert Package
	Tomato Alert Package
	Potato Alert Package
	Cherry Alert Package
	Turf Alert Package
Other Accessories (hold down Ctrl & click to select multiple options)	Radiation Shield
	Sliding Enclosure to protect Micro Station
	Waterproof Enclosure
	Data Shuttle
Optional Sensors (hold down Ctrl & click to select multiple options)	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
Mounting Options	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)