



Spectrum WatchDog 3240 WiFi/Cellular Weather Station

Product Images



Short Description

Use field-specific weather data for timing fungicide applications, nutrient management and field activities.

The fully integrated WatchDog 3240 measures temperature, humidity, rainfall, and wind speed & direction, recording and communicating the data to the cloud using its internal modem or radio.

Receive alerts via automated phone call, text message, and/or email immediately when measurements cross your selected thresholds.

View reports of current conditions or historical data from any location.

Description

Key Features

- Bluetooth connectivity to your smartphone via the WatchDog Mobile App
- Sends data to the SpecConnect Cloud Solution - View current conditions or historical data using a broad selection of analytical reports from anywhere in the world.
- Integrated solar power
- All models have integrated USB, Bluetooth, and RS232 communications. Select version with either WiFi or Cellular modem.
- Internal data logger holds 18 months of data at a 15-minute recording interval. Data can be transferred to a USB flash drive.
- Easy to install - be running in minutes.
- Choose from a huge range of optional external sensors including soil moisture, UV, leaf wetness and many more.
- Receive the latest changes with over-the-air updates (also available via a USB flash drive).
- The durable enclosure provides moisture, corrosion, and UV protection for increased reliability in harsh environments.
- Designed and manufactured in the USA to provide the quality data you can rely on.
- Can connect to a Spectrum Retriever & Pup Network.

Additional Information

Brand	Spectrum Technologies																																																
Country of Manufacture	United States																																																
Explanation	<ul style="list-style-type: none">• External Communication: Cellular, USB, Bluetooth, RS232• External Sensor Ports: 1 x 2.5mm stereo jack (0 to 3.0VDC analog input)• Data capacity: 30,000 data intervals can be stored on the unit before the oldest record is overwritten by the newest data (312 days at 15 minute intervals).• LED: 3-colour (Red, Amber, Green)• Operating Temperature Range: -30° to 55°C• Dimensions (HxLxW): 30.5 x 49.5 x 28.6 cm (without 18.4 cm antenna)• Weight: 4.50 kg <h3>Communication Options</h3> <ul style="list-style-type: none">• Item 3240WF has a WiFi Modem• Item 3240ME has an LTE-M cellular modem, providing LTE CAT-M1 and NB-IoT communications• Item 3240DR has a Data Recorder - No Modem. <h3>3000 Series Stations Comparison</h3> <table><tr><th></th><th>3210MU Temp Alert</th><th>3220MU Rain Station</th><th>3240MU Weather Station</th><th>3250MU ET Station</th><th>Range</th></tr><tr><td>Air Temperature</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>-40° to 257°F (-40 to 125°C)</td></tr><tr><td>Relative Humidity</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>0 to 100%</td></tr><tr><td>Rainfall</td><td>Optional</td><td>✓</td><td>✓</td><td>✓</td><td>0.01" (0.254mm resolution)</td></tr><tr><td>Wind Speed</td><td>✗</td><td>✗</td><td>✓</td><td>✓</td><td>0, 1 to 200 mph (0, 1 to 322 km/h)</td></tr><tr><td>Wind Direction</td><td>✗</td><td>✗</td><td>✓</td><td>✓</td><td>1-359°, 1° increments</td></tr><tr><td>Solar Radiation</td><td>Opt. (ext. port)</td><td>Opt. (ext. port)</td><td>Opt. (ext. port)</td><td>✓</td><td>0 to 1500 W/m2</td></tr><tr><td>Available External Sensor Ports</td><td>2</td><td>2</td><td>2</td><td>1</td><td></td></tr></table>		3210MU Temp Alert	3220MU Rain Station	3240MU Weather Station	3250MU ET Station	Range	Air Temperature	✓	✓	✓	✓	-40° to 257°F (-40 to 125°C)	Relative Humidity	✓	✓	✓	✓	0 to 100%	Rainfall	Optional	✓	✓	✓	0.01" (0.254mm resolution)	Wind Speed	✗	✗	✓	✓	0, 1 to 200 mph (0, 1 to 322 km/h)	Wind Direction	✗	✗	✓	✓	1-359°, 1° increments	Solar Radiation	Opt. (ext. port)	Opt. (ext. port)	Opt. (ext. port)	✓	0 to 1500 W/m2	Available External Sensor Ports	2	2	2	1	
		3210MU Temp Alert	3220MU Rain Station	3240MU Weather Station	3250MU ET Station	Range																																											
	Air Temperature	✓	✓	✓	✓	-40° to 257°F (-40 to 125°C)																																											
	Relative Humidity	✓	✓	✓	✓	0 to 100%																																											
	Rainfall	Optional	✓	✓	✓	0.01" (0.254mm resolution)																																											
Wind Speed	✗	✗	✓	✓	0, 1 to 200 mph (0, 1 to 322 km/h)																																												
Wind Direction	✗	✗	✓	✓	1-359°, 1° increments																																												
Solar Radiation	Opt. (ext. port)	Opt. (ext. port)	Opt. (ext. port)	✓	0 to 1500 W/m2																																												
Available External Sensor Ports	2	2	2	1																																													
Ideal For	Professional, Agronomy																																																
Measurements	Humidity, Leaf Wetness, PAR/Quantum Light, Rainfall, Soil Moisture, Solar Radiation, Temperature, UV, Wind Direction, Wind Speed																																																
Typical applications	Environmental (Outdoor), Field Research, Weather Monitoring																																																
Power	Integrated 3.5W solar panel, rechargeable 6V/4.5AH SLA battery, optional AC/DC power adapter. Battery life 14 days minimum with no solar power.																																																
Installation	Simple installation - mounts to a 1.25 inch mast (U-bolts included). Best installed on a tripod (select from 'Mounting Options' above).																																																

Additional Options

Select Required Data Communication Method	LTE-M Cellular Version (SKU: SI-3240ME)
	WiFi Version (SKU: SI-3240WF)
	868MHz Pup Version (SKU: SI-3240DE)
SpecConnect (required for the product to function properly)	SpecConnect Web Portal - Pro Subscription (1 Year) WiFi
	SpecConnect Web Portal Pro Subscription (1 Year) - Cellular
	SpecConnect Initial Setup Fee
Optional Sensors (hold down Ctrl & click to select multiple options)	SpecConnect Phone Alerts 1 Yr Subscription)
	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)
	Tensiometer Pressure Transducer
	Irrigation On/Off Sensor
	Temperature Micro Sensor (to measure surface temperature of leaves & other applications)

	Leaf Wetness Sensor
Mounting Options	Universal Mounting Pole Kit (WS-7717) (Limited Offer)!
	Davis Mounting Pole Kit (DI-7717)
	Davis EZ-Mount Tripod (DI-7716)
Handheld Anemometer (to help you position weather station wind sensor in optimum location for maximum wind)	Kestrel 1000 (Pro-quality, made in USA)