Spectrum® Technologies, Inc.

"To Measure Is To Know"

WatchDog® 1000 Series Micro Stations

1000 Series Micro Station

MONITOR ENVIRONMENTAL CONDITIONS

**Greater capacity, display resolution, battery life
and support for the newest generation of sensors**

OPTIONAL MEASUREMENTS

- Rainfall
- Temperature/RH
- Quantum (PAR) & UV Light
- Electrical Conductivity
- Soil Moisture
- YOU CHOOSE!

FEATURES & BENEFITS

- Customize with up to four unique external plug-in sensors
- Included port plugs protect against insect infiltration
- Affordable and accurate
- Internal memory preserves data in the event of a power loss
- View data with SpecWare software
- Custom LCD display with 4 digits; also indicates channel letters, units for internal sensors and battery level

COMMUNICATION

- Launch not required after a download - the station continues recording
- Launch can optionally retain downloaded data on a safety net
- Records and displays current conditions as well as date and time of sensor readings and battery level
- Field updatable firmware to support the latest sensors
- Sensors power up and read separately, enabling the use of up to four high-powered sensors at once

PRODUCT SPECIFICATIONS

VALUE	RANGE	ACCURACY
Temperature	-40°F to 185°F (-40°C to 85°C)	± 1.1°F (-4°F to 122°F) ± 0.6°C (-20°C to 50°C), otherwise ± 2.2°F (± 1.2°C)
Relative Humidity	0 to 100%	± 3% @ 77°F (25°C), 10 to 90%, else ± 5%
Capacity	Over 10,500 intervals (220 days with 30 minute intervals)	
Sensors	2, 4, 5, 6, 7, or 8 sensors values - up to 4 external ports	
External Sensor Ports	1-4 x 2.5mm Stereo Jack (0 to 3.0 VDC Analog Input)	
Operating Temperature	-4°F to 140°F (-20°C to 60°C)	
External Communication	PC via direct-connect cable or Data Shuttle SpecWare 9.02 (Basic or Pro) and up	
Power Source	CR2450 3 Volt Button Cell (Included)	
Battery Life	12 months expected life	
Measurement Intervals	1, 5, 10, 15, 30, or 60 minutes	
Dimensions	2.8"H x 2.3"L x 1.2"W (7.2cm x 5.9cm x 3.0cm)	
Weight	2.9oz (81g), Shipping 5.2oz (146g)	

MODELS & PACKAGES

ITEM #	MODEL	INT. SENSORS	EXT. SENSORS	AVAIL. PORTS	MAX SMEC 300
3688WD1	1650	Temp/RH	-	4 (A-D)	2 (A, D)
3687WD1	1525	Temp	-	4 (A-D)	2 (A, D)
3684WD1	1450	Temp/RH	-	2 (A, D)	1 (D)
3683WD1	1425	Temp	-	3 (A, B, D)	1 (D)
3685WD1	1400	None	-	4 (A-D)	2 (A, D)
3682WD1	1250	Temp/RH	-	0	0
3681WD1	1225	Temp	-	1 (A)	0
3680WD1	1200	None	-	2 (A, D)	1 (D)
3635WD1	1115	None	-	1 (A-Rain)	0
3554WD1	1120	Rainfall	-	0	0
3684PD1	1450	Temp/RH	Leaf Wetness/Rainfall	0	-
3684PAR1	1450	Temp/RH	PAR Light	1	-
3685SM14	1400	None	WaterScout SM 100 (4)	0	-
3685SM13	1400	None	WaterScout SM 100 (3)	1	-
3685SM12	1400	None	WaterScout SM 100 (2)	2	-
3680SM12	1200	None	WaterScout SM 100 (2)	0	-
3685WM14	1400	None	Watermark (4)	0	-
3685WM13	1400	None	Watermark (3)	1	-
3685WM12	1400	None	Watermark (2)	2	-
3680WM12	1200	None	Watermark (2)	0	-

SpecWare Software

Download directly from Spectrum's website to view and report on the data that is most important to you.

SPECWARE 10 PRO

- Easily download, analyze and produce basic reports
- Gain back valuable time previously used to export data and perform calculations in spreadsheets
- Powerful, easy to use analysis tools
- Graph on-the-fly with an interactive graphing window
- Choose from 16 standard reports, including EFSA and NOAA
- SpecWare automatically assigns each WatchDog Station to its own "location" directory, which is appended every time new data is downloaded
- Find and use data easily with an open file management system - all data is stored in a monthly file, simplifying data sharing and exporting
- Import data files from other applications
- Export data in tab-separated text files to import into other applications, such as Excel
- International features include handling date, time, and numbers with regional formats and choice of Metric or US
- One purchase = one activation for one installation
- Support for the WatchDog 3000 Series Stations, including the NEW 3500 Models and those that are part of a Retriever and Pups network. Download data via USB thumb drive or a direct connection
- Build, customize and save your most important reports
- Run evapotranspiration (ET) reports to effectively manage water use
- Add optional insect and disease models to forecast pest pressures and reduce pesticide costs and produce reports with graphs for each pest - ***FREE FOR 30 DAYS WHEN YOU UPGRADE TO SPECWARE PRO!***