

WatchDog® Product Line

STANDARD FEATURES

OPTIONAL SENSORS & ACCESSORIES

REFERENCE:

✓ STANDARD
OPT OPTIONAL
BLANK NOT AVAILABLE

Item #	Model	Evapotranspiration	LCD Display	Wireless	Alarm Output-Ready	Air Temperature Sensor	Relative Humidity Sensor	Dew Point	Wind Speed and Direction	Tipping Bucket Rain Collector	Solar Radiation Sensor	Available Sensor Ports	Quantum Light Sensor	Ext.(Soil) Temperature Sensor	Leaf Wetness Sensor	WaterScout Soil Moisture	Barometric Pressure Sensor
		ET	LCD		Alrm 3672	Tmp	RH	Dew	Wind	Rain 3665R	Solar 3670I		PAR 3668I	Temp 3667	LW 3666	SM 6460	Bar 3671

Weather Stations (prepackaged units with LCD display, external sensor ports, and wireless communication options)

3350WD2	2900ET	✓	✓	OPT	✓	✓	✓	✓	✓	✓	✓	5	OPT	OPT	OPT	OPT	OPT
3345WD2	2800		✓	OPT	✓	✓	✓	✓	✓	OPT	OPT	9	OPT	OPT	OPT	OPT	OPT
3340WD2	2700		✓	OPT	✓	✓	✓	✓	✓	✓	OPT	6	OPT	OPT	OPT	OPT	OPT
3320WD2	2550		✓	OPT	✓	✓	✓	✓	✓		OPT	6	OPT	OPT	OPT	OPT	OPT

2000 Mini Station (affordable 4 channel datalogging units, featuring LCD display and wireless communication options)

3684WDPD	Plant Disease Station	✓	✓	OPT	✓	✓	✓	✓	✓	✓	✓	0			✓		
3686WD	2475		✓	OPT	✓	✓	✓	✓		OPT	OPT	1	✓	OPT	OPT	OPT	OPT
3684WD	2450		✓	OPT	✓	✓	✓	✓		OPT	OPT	2	OPT	OPT	OPT	OPT	OPT
3683WD	2425		✓	OPT	✓	✓	✓	✓		OPT	OPT	3	OPT	OPT	OPT	OPT	OPT
3685WD	2400		✓	OPT	✓	✓	✓	✓		OPT	OPT	4	OPT	OPT	OPT	OPT	OPT

1000 Series Data Loggers (mix and match components for affordable 2-6 channel datalogging units featuring LCD display)

3685SM1	Irrigation Station		✓							OPT		1		OPT			✓ (3)
3680SM1	Irrigation Station		✓									0					✓ (2)
3684PD1	Plant Disease Station	✓	✓				✓	✓		✓		0			✓		
3688WD1	1650		✓			✓	✓			OPT	OPT	4	OPT	OPT	OPT	OPT	OPT
3687WD1	1525		✓			✓				OPT	OPT	4	OPT	OPT	OPT	OPT	OPT
3684WD1	1450		✓			✓	✓			OPT	OPT	2	OPT	OPT	OPT	OPT	OPT
3683WD1	1425		✓			✓				OPT	OPT	3	OPT	OPT	OPT	OPT	OPT
3685WD1	1400		✓			✓				OPT	OPT	4	OPT	OPT	OPT	OPT	OPT
3682WD1	1250		✓			✓	✓					0					
3681WD1	1225		✓			✓				OPT	OPT	1	OPT	OPT	OPT	OPT	OPT
3680WD1	1200		✓			✓				OPT	OPT	2	OPT	OPT	OPT	OPT	OPT

A-Series Loggers (economic datalogging units for 1-2 parameters - requires Item 3661A PC Connection Cable)

3612A	A150 Temp/RH						✓	✓					0				
3610A	A130 Leaf Wetness/Temp					✓							0			✓	
3617ARS	A125 Soil/Air Temp Station					✓							0		✓		
3617A	A125 Soil/Air Temp					✓							0		✓		
3618A	A110 Temperature					✓							0				

B-Series Button Loggers (compact data loggers for temperature and humidity - requires Item 3665K Docking Station)

3621WD	100 Temp/RH 8K					✓	✓						0				
3620WD	100 Temperature 8K					✓							0				
3619WD	100 Temperature 2K					✓							0				

Rain Loggers

3554WD	120 Data-Logging Rain Gauge									✓			0				
3635WD	115 Rain Logger									OPT			1				

Wireless Crop Temperature Monitor (a base station with 1-16 wireless remote sensor units, ideal for greenhouse or frost monitoring)

3540	T/RH		✓	✓		✓	✓						0				
3545	Temp		✓	✓		✓							1	OPT	OPT	OPT	

Mobile Sprayer Station (a compact unit providing on-the-go weather monitoring)

3349SSC			✓			✓	✓	✓	✓				0					✓
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WatchDog® Sensors and Accessories

REFERENCE:

✓ AVAILABLE ON MODEL
BLANK NOT AVAILABLE

		Weather Stations	2000 Mini Stations	1000 Series Data Loggers	Range / Resolution*	Accuracy*	
Soil Sensors	Sensors	Description			Range / Resolution*	Accuracy*	
	6460	WaterScout Soil Moisture Sensor 6 ft (1.8 m)	✓**	✓**	✓	0 to saturation (typically 50%)	±3%
	6460-20	WaterScout Soil Moisture Sensor 20 ft (6.1 m)	✓**	✓**	✓	0 to saturation (typically 50%)	±3%
	6450WD	Watermark Soil Moisture Sensor 11 ft (3.3 m)	✓	✓	✓	0 to 200 centibars	
	6450WD20	Watermark Soil Moisture Sensor 25 ft (7.6 m)	✓	✓	✓	0 to 200 centibars	
	3669	Tensiometer Pressure Transducer	✓	✓	✓		±2%
	6450ADPT	Watermark Adapter	✓	✓	✓		
	6451	Irrigation On/Off Sensor	✓	✓	✓	On at 5psi	
	3667	External (Soil) Temperature Sensor 6 ft (1.8 m)	✓	✓	✓	S: -25 to 212°F (-32 to 100°C) L: -4 to 158°F (-20 to 70°C)	±1°F (±0.6°C)
	3667-20	External (Soil) Temperature Sensor 20 ft (6.1 m)	✓	✓	✓		
	3667S	Temperature (Micro) Sensor	✓	✓	✓		
	3665R	Tipping Bucket Rain Collector	✓	✓	✓	0.01", 0.25 mm	±2%
	3666	Leaf Wetness Sensor	✓	✓	✓	0 (dry) to 15 (wet)	
	3671	Barometric Pressure Sensor	✓	✓	✓	26 to 32 inHg, 880-1080 hPa	±0.05 inHg, ±1.7 hPa
	3671M	Barometric Pressure Extended Range	✓	✓	✓	18.75 to 33.1 inHg, 635-1121 hPa	±0.057 inHg, ±1.9 hPa
	2655	CO ₂ Sensor	✓	✓	✓	0-4000 ppm	±5% or 50 ppm
	3612RHS	Replacement RH Sensor for Weather Stations	✓	✓	✓	10 - 100% at 5 - 50°C	±3% RH
	3612RHB	Replacement RH Sensor for Data Loggers				for original loggers only (400 & 200 Series)	
Light Sensors	3668I	Quantum Light Sensor	✓	✓	✓	0-2500 μmol m ⁻² s ⁻¹	±5%
	3668I3	3 Sensor Quantum Bar	✓	✓	✓	0-2500 μmol m ⁻² s ⁻¹	±5%
	3668I6	6 Sensor Quantum Bar	✓	✓	✓	0-2500 μmol m ⁻² s ⁻¹	±5%
	3676I	UV Light Sensor	✓	✓	✓	0-200 μmol m ⁻² s ⁻¹	±5%
	3670I	Silicon Pyranometer Sensor	✓	✓	✓	0-1250 W/m ²	±5%
	3673	Voltage Input Cable	✓	✓	✓	S: 0-3.0V, L: 0-2.54 V, 1mA	S: ±0.005 V, L: ±0.02 V
	3674	4-20mA Input Cable	✓	✓	✓	0-20.1 mA	±1%
	3664	Extension Cable 20 ft (6.1 m)	✓	✓	✓		
Connectivity							
3388G	GPRS Cellular Modem	✓	✓				
3388C	CDMA Cellular Modem	✓	✓				
3392B	Short Range Wireless Base Station	✓	✓				
	Short Range Wireless Remote Radio	3392W	3392M		Up to 1,000 Feet (300 Meters)		
3391B	Mid Range Wireless Base Station	✓	✓				
	Mid Range Wireless Remote Radio	3391W	3391M		Up to 2 Miles (3 Kilometers)		
3679WD1	WatchDog 2000 Series Data Shuttle	✓	✓	✓***			
3661USB	USB-to-Serial Adapter	✓	✓	✓			
3365WD2	Short Range Modem Pair	✓	✓				
3387WD96	Dial-up Modem	✓	✓				
Miscellaneous							
3654P	Spec 9 Pro Software	✓	✓	✓			
3654B	Spec 9 Basic Software		✓	✓			
3663A	Radiation Shield			✓			
3658A	Sliding Enclosure			✓			
3396TP	Tripod Mount	✓	✓				
3672	Alarm Output Module	✓	✓				
3419	AutoDialer	✓	✓				

* S=Stations, L=Loggers

** WatchDog Stations sold prior to 2009 must be upgraded for the WaterScout

*** Item 3679WD1 Data Shuttles only