DAVIS Weather Monitor II vs. the Competition

The Weather Monitor II meets or beats the competition in ✓Accuracy ✓Resolution ✓Range ✓Update Interval

USA UNITS		Barometric Pressure	HUMIDITY			Rainfall	TEMPERATURE			WIND	
			Inside	Outside	Dew Point		Inside	Outside	Wind Chill	Speed	Direction
Accuracy	**Davis Weather Monitor II**	± 0.05" Hg	± 5% ✓	± 3% ✓	± 4°F ✓	± 4%	± 1°F ✓	± 1°F ✓	± 4°F ✓	± 5%	± 7° ✓
	Huger WMR 900 H	± 0.03" Hg	± 8%	± 8%	not specified	± 2%	± 2°F	± 2°F	not specified	± 3%	not specified
	Maximum WeatherMax	± 0.08" Hg	± 8%	± 8%	not specified	not specified	± 2°F	± 2°F	not specified	± 2 mph	± 11.25°
	Oregon Scientific WM918	± 0.2" Hg	± 8%	± 8%	± 18°F	± 5%	± 2°F	± 2-6°F	± 16°F	± 10%	± 8°
	Peet Bros Ultimeter 2000	± 0.05" Hg	± 5%	± 5%	not specified	not specified	± 2°F	± 2°F	not specified	± 2%	not specified
Resolution	**Davis Weather Monitor II**	0.01" Hg ✓	1% ✓	1% ✓	1°F ✓	0.01" ✓	0.1°F ✓	0.1°F ✓	1°F ✓	1 mph ✓	1° or 10° ✓
	Huger WMR 900 H	0.01" Hg	1%	1%	not specified	0.01"	0.1°F	0.1°F	not specified	1 mph	not specified
	Maximum WeatherMax	0.01" Hg	1%	1%	1°F	0.01"	0.1°F or 1°F	0.1°F or 1°F	1°F	1 mph	22.5°
	Oregon Scientific WM918	0.01" Hg	1%	1%	2°F	0.01"	0.1°F	0.1°F	1°F	1 mph	1°
	Peet Bros Ultimeter 2000	0.01" Hg	1%	1%	1°F	0.01"	1°F	1°F	1°F	1 mph	22.5°
Range	**Davis Weather Monitor II**	26 to 32" Hg	10 to 90%	0 to 100% ✓	–99 to 140°F ✓	0 to 99.99" ✓	32 to 140°F	–50 to 140°F	–134 to 98°F	2 to 175 mph	0 to 359° ✓
	Huger WMR 900 H	24 to 32" Hg	5 to 95%	5 to 95%	not specified	0 to 99.99"	32 to 160°F	–20 to 160°F	not specified	0 to 125 mph	16 compass points
	Maximum WeatherMax	28 to 31" Hg	10 to 90%	20 to 90%	–7 to 115°F	0 to 99.99"	50 to 122°F	–40 to 122°F	–119 to 122°F	0 to 255 mph	16 compass points
	Oregon Scientific WM918	24 to 31" Hg	10 to 97%	10 to 97%	32 to 138°F	0 to 99.99"	32 to 122°F	–40 to 140°F	–120 to 140°F	0 to 125 mph	0 to 359°
	Peet Bros Ultimeter 2000	28 to 31" Hg	0 to 100%	0 to 100%	not specified	not specified	32 to 110°F	–55 to 150°F	–150 to 98°F	0 to 170 mph *	16 compass points
Update Interval	**Davis Weather Monitor II**	2 seconds ✓ 16 sec if not displayed	2 seconds ✓ 16 sec if not displayed	2 seconds ✓ 16 sec if not displayed	2 seconds ✓ 16 sec if not displayed	every tip ✓	2 seconds ✓ 16 sec if not displayed	2 seconds ✓ 16 sec if not displayed	2 seconds ✓ 16 sec if not displayed	2.25 seconds ✓	2.25 seconds
	Huger WMR 900 H	3 minutes	3 minutes	3 minutes	3 minutes	3 minutes	3 minutes	3 minutes	3 minutes	3 minutes	3 minutes
	Maximum WeatherMax	5 minutes	not specified	not specified	not specified	every tip	10 seconds	10 seconds	10 seconds	1.5 seconds	1.5 seconds
	Oregon Scientific WM918	15 minutes	10 seconds	10 seconds	10 seconds	every tip	10 seconds	10 seconds	5 seconds	5 seconds	5 sec or 1 min
	Peet Bros Ultimeter 2000	not specified	not specified	not specified	not specified	every tip	not specified	not specified	not specified	not specified	not specified

According to best interpretation of manufacturers' published specifications. Some numbers have been converted or simplified for comparison purposes.

* In independent wind-tunnel tests, anemometer failed at 130 mph

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METRIC UNITS		Barometric Pressure	HUMIDITY			Rainfall	TEMPERATURE			WIND	
			Inside	Outside	Dew Point		Inside	Outside	Wind Chill	Speed	Direction
Accuracy	**Davis Weather Monitor II**	± 1.7 mb or ± 1.3 mm Hg	± 5% ✓	± 3% ✓	± 2°C ✓	± 4%	± 0.5°C ✓	± 0.5°C ✓	± 2°C ✓	± 5%	± 7° ✓
	Huger WMR 900 H	± 1.0 mb	± 8%	± 8%	not specified	± 2%	± 1°C	± 1°C	not specified	± 3%	not specified
	Maximum WeatherMax	± 2.7 mb	± 8%	± 8%	not specified	not specified	± 1°C	± 1°C	not specified	± 3 km/h	± 11.25°
	Oregon Scientific WM918	± 7.0 mb	± 8%	± 8%	± 9°C	± 5%	± 1°C	± 1°C	± 8° C	± 10%	± 8°
	Peet Bros Ultimeter 2000	±1.7 mb	± 5%	± 5%	not specified	not specified	± 1°C	± 1°C	not specified	± 2%	not specified
Resolution	**Davis Weather Monitor II**	0.1 mb or 0.1 mm Hg ✓	1% ✓	1% ✓	1°C ✓	0.2 mm ✓	0.1° C ✓	0.1°C ✓	1°C ✓	0.1 m/s or 1 km/h	1° or 10° ✓
	Huger WMR 900 H	1 hPA (= 1 mb)	1%	1%	not specified	0.5 mm	0.1°C	0.1°C	not specified	0.1 km/h	not specified
	Maximum WeatherMax	0.1 mb	1%	1%	1°C	0.2 mm	0.1°C	0.1°C	1°C	1 km/h	22.5°
	Oregon Scientific WM918	1 mb	1%	1%	1°C	1 mm	0.1°C	0.1°C	1°C	0.2 m/s	1°
	Peet Bros Ultimeter 2000	0.1 mb or 0.1 mm Hg	1%	1%	1°C	0.2 mm	1°C	1°C	1°C	1 km/h	22.5°
Range	**Davis Weather Monitor II**	880 to 1080 mb	10 to 90%	0 to 100% ✓	–73 to 60°C ✓	0 to 9999 mm ✓	0 to 60°C	–45 to 60°C	–92 to 37°C	0.9 to 78 m/s or 4 to 280 km/h	0 to 359° ✓
	Huger WMR 900 H	789 to 1086 mb	5 to 95%	5 to 95%	not specified	0 to 3999 mm	0 to 71° C	–29 to 71°C	not specified	0 to 222 km/h	16 compass points
	Maximum WeatherMax	931 to 1067 mb	10 to 90%	20 to 90%	–22 to 46°C	0 to 2500 mm	10 to 50°C	–40 to 50°C	–84 to 50°C	0 to 425 km/h	16 compass points
	Oregon Scientific WM918	795 to 1050 mb	10 to 97%	10 to 97%	0 to 59°C	0 to 9999 mm	0 to 40°C	–40 to 60°C	–85 to 60°C	2 to 56 m/s or 0 to 222 km/h	0 to 359°
	Peet Bros Ultimeter 2000	931 to 1067 mb	0 to 100%	0 to 100%	not specified	not specified	0 to 43°C	–48 to 65°C	–101 to 37°C	0 to 76 m/s or 0 to 274 km/h ∗	16 compass points
Update Interval	**Davis Weather Monitor II**	2 seconds ✓ 16 sec if not displayed	2 seconds ✓ 16 sec if not displayed	2 seconds ✓ 16 sec if not displayed	2 seconds ✓ 16 sec if not displayed	every tip ✓	2 seconds ✓ 16 sec if not displayed	2 seconds ✓ 16 sec if not displayed	2 seconds ✓ 16 sec if not displayed	2.25 sec	2.25 sec
	Huger WMR 900 H	3 minutes	3 minutes	3 minutes	3 minutes	3 minutes	3 minutes	3 minutes	3 minutes	3 minutes	3 minutes
	Maximum WeatherMax	5 minutes	not specified	not specified	not specified	every tip	10 seconds	10 seconds	10 seconds	1.5 seconds	1.5 seconds
	Oregon Scientific WM918	15 minutes	10 seconds	10 seconds	10 seconds	every tip	10 seconds	10 seconds	5 seconds	5 seconds	5 seconds
	Peet Bros Ultimeter 2000	not specified	not specified	not specified	not specified	every tip	not specified	not specified	not specified	not specified	not specified

According to best interpretation of manufacturers' published specifications. Some numbers have been converted or simplified for comparison purposes.

∗ In independent wind-tunnel tests, anemometer failed at 216 km/h

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