

DAVIS vs. the COMPETITION SPECIFICATIONS

		Davis Instruments		Spectrum (Watchdog)		Peet Brothers	Rainwise	Oregon Scientific	La Crosse Technology, Ltd.		Texas Weather Instruments	
		Vantage Pro2 6152 \$595 USD	Vantage VUE 6250 \$395 USD	2700 \$1,489 USD	2900ET \$1,989 USD	Ultimeter 2100 \$399 USD	MK-III RTI \$1,169 USD	WMR200 \$400 USD	WS-3610 \$340 USD	WS-550U-IT \$600 USD	WRL-32 \$1,699 USD	
Barometric Pressure												
Range (uncorrected)	Low	16.00" Hg	16.00" Hg	26.00" Hg	26.00" Hg	27.50" Hg	16.30" Hg	20.67" Hg	8.86" Hg	NS	28" Hg	
	High	32.50" Hg	32.50" Hg	32.00" Hg	32.00" Hg	31.50" Hg	32.00" Hg	31.01" Hg	32.45" Hg	NS	34" Hg	
Display Resolution		0.01" Hg	0.01" Hg	NS	NS	0.10" Hg	0.01" Hg	0.03" Hg	0.003" Hg	NS	0.01" Hg	
Update Interval		✓ 1 min.	✓ 1 min.	NS	NS	(cabled)	2 min.	1 min.	2-3 min.	15 min.	(cabled)	
Accuracy +/-		✓ 0.03" Hg	✓ 0.03" Hg	0.05" Hg	0.05" Hg	0.05" Hg	0.05" Hg	0.29" Hg	NS	NS	0.03" Hg	
Elevation Range	Low	✓ -999 feet	✓ -999 feet	NS	NS	NS	NS	NS	NS	NS	NS	
	High	✓ 15,000 feet	✓ 15,000 feet	NS	NS	NS	NS	NS	NS	NS	NS	
Outside Humidity												
Range	Low	✓ 0%	✓ 0%	20%	20%	0%	0%	2%	1%	1%	0%	
	High	✓ 100%	✓ 100%	100%	100%	100%	100%	98%	99%	99%	100%	
Display Resolution		✓ 1%	✓ 1%	NS	NS	1%	1%	1%	1%	1%	1%	
Update Interval		✓ 50 sec.	✓ 50 sec.	NS	NS	(cabled)	2 min.	1 min.	2-3 min.	2-3 min.	(cabled)	
Accuracy +/-		3%	3%	3%	3%	4%	2%	5 to 7%	NS	5%	3%	
Inside Humidity												
Range	Low	✓ 0%	✓ 0%	NS	NS	0%	0%	2%	1%	1%	0%	
	High	✓ 100%	✓ 100%	NS	NS	100%	100%	98%	99%	99%	100%	
Display Resolution		✓ 1%	✓ 1%	NS	NS	1%	1%	1%	1%	1%	1%	
Update Interval		✓ 1 min.	✓ 1 min.	NS	NS	(cabled)	2 min.	1 min.	2-3 min.	3 min.	(cabled)	
Accuracy +/-		3%	3%	NS	NS	4%	2%	5 to 7%	NS	5%	3%	
Rainfall												
Range	Low	✓ 0"	✓ 0"	NS	NS	0"	0"	0"	0"	0"	NS	
	High	✓ 199.99"	✓ 199.99"	NS	NS	199.99"	---	393.7"	393.7"	39.3"	NS	
Display Resolution		✓ 0.01"	✓ 0.01"	0.01"	0.01"	0.01"	0.01"	0.04"	0.02"	0.01"	0.01"	
Update Interval		✓ 20 sec.	✓ 20 sec.	NS	NS	(cabled)	2 min.	1 min.	2-3 min.	2-3 min.	(cabled)	
Accuracy +/-		4%	4%	2%	2%	5%	2%	7%	NS	NS	1%	
Outside Temperature												
Range	Low	-40°F	-40°F	-4°F	-4°F	-55°F	-66°F	-58°F	-40°F	-20°F	-40°F	
	High	150°F	150°F	158°F	158°F	150°F	166°F	158°F	139.8°F	175.8°F	130°F	
Display Resolution		✓ 0.1°F	✓ 0.1°F	NS	NS	1°F	0.1°F	0.2°F	0.1°F	0.1°F	0.1°F	
Update Interval		✓ 10 sec.	✓ 10 sec.	NS	NS	(cabled)	2 min.	1 min.	2-3 min.	2-3 min.	(cabled)	
Accuracy +/-		✓ 1°F	✓ 1°F	1°F	1°F	1°F	1°F	2 to 6°F	NS	1.4°F	1°F	
Inside Temperature												
Range	Low	32°F	32°F	NS	NS	32°F	32°F	32°F	14.2°F	32°F	-40°F	
	High	✓ 140°F	✓ 140°F	NS	NS	110°F	122°F	122°F	139.8°F	140°F	140°F	
Display Resolution		✓ 0.1°F	✓ 0.1°F	NS	NS	1°F	0.1°F	0.2°F	0.1°F	0.1°F	0.1°F	
Update Interval		✓ 1 min.	✓ 1 min.	NS	NS	NS	2 min.	1 min.	2-3 min.	3 min.	(cabled)	
Accuracy +/-		✓ 1°F	✓ 1°F	NS	NS	1°F	1°F	2 to 4°F	NS	1.8°F	1°F	
Wind Speed												
Range	Low	2 mph	2 mph	0 mph	0 mph	2 mph	0 mph	0 mph	0 mph	0 mph	1 mph	
	High	✓ 180 mph	✓ 180 mph	175 mph	175 mph	175 mph	150 mph	125 mph	111.8 mph	124 mph	200 mph	
Display Resolution		1 mph	1 mph	NS	NS	1 mph	1 mph	1 mph	0.1 mph	0.1 mph	1 mph	
Update Interval		2.5 sec.	2.5 sec.	NS	NS	(cabled)	2 sec.	14 sec.	32 sec.	2-3 min.	(cabled)	
Accuracy +/-		2 mph or 5%	2 mph or 5%	5%	5%	2 mph or 5%	2%	10%	NS	NS	5%	
Wind Direction												
Display Resolution		✓ 1°	✓ 1°	2°	2°	1°	22.5°	22.5°	22.5°	5°	22.5°	
Update Interval		2.5 sec.	2.5 sec.	NS	NS	(cabled)	2 sec.	14 sec.	2-3 min.	2-3 min.	(cabled)	
Accuracy +/-		✓ 3°	✓ 3°	7°	7°	5%	10%	10°	NS	NS	3°	
Evapotranspiration												
Range (ET)	Low	✓ 0"	---	NS	NS	---	---	---	---	---	---	
	High	✓ 199.99"	---	NS	NS	---	---	---	---	---	---	
Display Resolution		✓ 0.01"	---	NS	NS	---	---	---	---	---	---	
Update Interval		✓ 1 hour	---	NS	NS	---	---	---	---	---	---	
Accuracy +/-		✓ 0.01" or 5%	---	NS	NS	---	---	---	---	---	---	
Leaf Wetness												
Range	Low	✓ 0	---	0	0	---	---	---	---	---	0	
	High	✓ 15	---	15	15	---	---	---	---	---	15	
Display Resolution		✓ 1	---	NS	NS	---	---	---	---	---	NS	
Update Interval		✓ 15 sec.	---	NS	NS	---	---	---	---	---	(cabled)	
Accuracy +/-		✓ 0.5	---	NS	NS	---	---	---	---	---	NS	
Soil Moisture												
Range	Low	✓ 0 cb	---	0 cb	0 cb	---	---	---	---	---	NS	
	High	✓ 200 cb	---	200 cb	200 cb	---	---	---	---	---	NS	
Display Resolution		✓ 1 cb	---	NS	NS	---	---	---	---	---	NS	
Update Interval		✓ 75 sec.	---	NS	NS	---	---	---	---	---	NS	
Solar Radiation												
Range	Low	✓ 0 W/m ²	---	1 W/m ²	1 W/m ²	---	---	---	---	---	0 W/m ²	
	High	✓ 1800 W/m ²	---	1250 W/m ²	1250 W/m ²	---	---	---	---	---	1500 W/m ²	
Display Resolution		✓ 1 W/m ²	---	NS	NS	---	---	---	---	---	NS	
Update Interval		✓ 50 sec.	---	NS	NS	---	---	---	---	---	(cabled)	
Accuracy +/-		✓ 5%	---	5%	5%	---	---	---	---	---	NS	
UV Index												
Range	Low	✓ 0 Index	---	NS	NS	---	---	---	---	---	NS	
	High	✓ 16 Index	---	NS	NS	---	---	---	---	---	NS	
Display Resolution		✓ 0.1 Index	---	NS	NS	---	---	---	---	---	NS	
Update Interval		✓ 50 sec.	---	NS	NS	---	---	---	---	---	NS	
Accuracy +/-		✓ 5%	---	5%	5%	---	---	---	---	---	NS	

Competition's specifications are from published information. Any errors or omissions are unintentional.

--- = None/not offered NS = Not Stated ✓ = Meets or beats competition