

DAVIS vs. the COMPETITION
FEATURES

	Davis Instruments		Spectrum (Watchdog)		Peet Brothers	Rainwise
	Vantage Pro2 6152 \$595 USD	Vantage VUE 6250 \$395 USD	2700 \$1,539 USD	2900ET \$2,039 USD	Ultimeter 2100 \$399 USD	MK-III RTI \$1,169 USD
RADIO						
Wireless Transmission Distance	✓ 1,000 feet (300 meters) (also avail. in cabled version)	✓ 1,000 feet (300 meters)	1,000 feet (300 meters)	1,000 feet (300 meters)	Cabled Only	433 feet (132 meters)
Wireless Transmission with Repeaters	Up to 14 miles (22.5 km) with max # of repeaters, unlimited with Internet data logger	Up to 14 miles (22.5 km) with max # of repeaters, unlimited with Internet data logger	Up to 2 miles (3 km) or unlimited with Cellular module (add \$1500+)	Up to 2 miles (3 km) or unlimited with Cellular module (add \$1500+)	---	---
Radio Frequency	✓ Frequency Hopping Spread Spectrum 902-928 MHz (US)	✓ Frequency Hopping Spread Spectrum 902- 928 MHz (US)	NS	NS	---	418 MHz
FORECAST						
Forecast Display	✓ Icon (next 12 hours) and Ticker Tape (next 24-48 hours)	✓ Icon (next 12 hours)	---	---	---	---
Forecast Based On:	✓ Barometric pressure, wind, rain, temperature, humidity, longitude & latitude, and time of year.	✓ Barometric pressure, wind, rain, temperature, humidity, longitude & latitude, and time of year.	---	---	---	Not Applicable
CONSOLE & SENSOR SUITE						
Update Interval (lowest variable)	2.5 seconds	2.5 seconds	20 seconds	20 seconds	---	2 sec. (wind only; all others 2 min.)
Stored Historical Data	✓ Past 24 values each for 86 items. 2,064 total values	✓ Past 25 values each for 56 items. 1,400 total values	18 values	15 values	NS	16 values
Additional Information on console	✓ Sunrise/Sunset, moon phase, time & date, average, total and high/low readings, ticker tape forecast.	✓ Sunrise/Sunset, moon phase, time & date, average, total and high/low readings. Weather Center with scroll- through data screens	Time & date, total and high/low readings, agriculture disease risks. Display turns off if no activity for 2 min.	Time & date, total and high/low readings, agriculture disease risks. Display turns off if no activity for 2 min.	Time & date	Time & date
Console/Sensor Power	✓ Console: C batteries or AC adapter; Sensors: Solar Power	✓ Console: C batteries or AC adapter; Sensors: Solar Power	Console: AAAA batteries or adapter; Sensors: batteries, possible solar power	Console: AAAA batteries or adapter; Sensors: batteries, possible solar power	AC adapter, battery backup	Console: AC adapter, backup AAA batteries; Sensors: Solar Power
Data Logger (included or available as option)	Stores over 6 months of data (Last/min/max in/out temp., wind, rain, in/out hum., bar, solar & UV if installed, ET, leaf temp/wetness, soil temp/moist., and add'l sensors)	Stores over 6 months of data (Last/min/max in/out temp., wind, rain, in/out hum., barometric pressure)	Stores up to 6 months of data. (attached sensors only for 30 days, no calculated data like Growing Degree Days stored)	Stores up to 6 months of data. (attached sensors only for 30 days, no calculated data like Growing Degree Days stored)	(not needed with cable)	Stores up to 3 months of data (option, 15 sensor readings per record)
Number of User-Settable Alarms	✓ Over 70	✓ 22	NS	NS	15	---
NIST Traceable	✓ Yes (all sensors)	✓ Yes (some sensors)	NS	NS	---	Yes: wind, temperature, relative humidity, barometric pressure
Updatable Console Firmware	✓ Yes	✓ Yes	Yes	Yes	---	NS
Set-up	✓ Minimal assembly required.	✓ Very minimal assembly required.	Set-up required: pieces mounted separately.	Set-up required: pieces mounted separately.	Set-up required: pieces mounted separately.	Factory assembled
Made in the United States	✓ Yes	✓ Yes	NS	NS	Yes	Yes
SUPPORT						
Technical Support	✓ Direct to USA manufacturer	✓ Direct to USA manufacturer	Direct to USA manufacturer	Direct to USA manufacturer	Direct to manufacturer	Direct to USA Manufacturer
Online Documentation	✓ Manuals, Specs, Application Notes, Compatible products, more.	✓ Manuals, Specs, Application Notes, Compatible products, more.	Manual, minimal specifications.	Manual, minimal specifications.	Manuals, Specifications, Compatible products.	Manuals, Specifications, Related products.
Service & Repairs	✓ Performed on-site at USA manufacturer	✓ Performed on-site at USA manufacturer	Performed on-site at USA manufacturer	Performed on-site at USA manufacturer	Performed on-site at USA manufacturer	Performed on-site at USA manufacturer
FLEXIBLE OPTIONS						
Extreme Weather Options	✓ Fan aspirated radiation shields, rain collector heater. Sensors are coated, potted, and overmolded with extensive testing for extreme wind, UV, and salt/corrosion.	✓ Sensors are coated, potted, and overmolded with extensive testing for extreme wind, UV, and salt/corrosion.	---	---	---	---
Remote Location Options	✓ Short/long range repeaters, weather-proof shelters, solar power kits, telephone modem adapter, available anywhere via Internet data logger.	✓ Short/long range repeaters, weather-proof shelters, solar power kits, telephone modem adapter, available anywhere via Internet data logger.	Waterproof station, telephone modem adapter, cellular modem adapter, long range repeaters.	Waterproof station, telephone modem adapter, cellular modem adapter, long range repeaters.	---	---
Agricultural Sensors Available	ET, Leaf Wetness, Soil Moisture, Temperature & Humidity Stations	---	Leaf Wetness, Soil Moisture, Temperature & Humidity Stations, Light Sensors	ET, Leaf Wetness, Soil Moisture, Temperature & Humidity Stations, Light Sensors	Indoor humidity, outdoor humidity/temp., & "speech synthesized" reporting	---

Competition's specifications are from published information. Any errors or omissions are unintentional.
--- = None/not offered NS = Not Stated ✓ = Meets or beats competition

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	Davis Instruments		Oregon Scientific (IDT)	La Crosse (ESL)		Texas Weather Instruments
	Vantage Pro2 6152 \$595 USD	Vantage VUE 6250 \$395 USD	WMR200 \$400 USD	WS-3610 \$340 USD	WS-550U-IT \$600 USD	WRL-32 \$1,799 USD
RADIO						
Wireless Transmission Distance	✓ 1,000 feet (300 meters) (also avail. in cabled version)	✓ 1,000 feet (300 meters)	328 feet (100 meters)	330 feet (100.5 meters)	400 feet (120 meters)	Cabled Only, up to 1,000 feet
Wireless Transmission with Repeaters	Up to 14 miles (22.5 km) with max # of repeaters, unlimited with Internet data logger	Up to 14 miles (22.5 km) with max # of repeaters, unlimited with Internet data logger	---	---	---	---
Radio Frequency	✓ Frequency Hopping Spread Spectrum 902-928 MHz (US)	✓ Frequency Hopping Spread Spectrum 902- 928 MHz (US)	433 MHz	433 MHz	916.5 MHz	---
FORECAST						
Forecast Display	✓ Icon (next 12 hours) and Ticker Tape (next 24-48 hours)	✓ Icon (next 12 hours)	Icon	Icon	Icon	---
Forecast Based On:	✓ Barometric pressure, wind, rain, temperature, humidity, longitude & latitude, and time of year.	✓ Barometric pressure, wind, rain, temperature, humidity, longitude & latitude, and time of year.	NS	NS	Electronic barometric-pressure sensing.	---
CONSOLE & SENSOR SUITE						
Update Interval (lowest variable)	2.5 seconds	2.5 seconds	60 seconds	60 seconds	2 minutes	---
Stored Historical Data	✓ Past 24 values each for 86 items. 2,064 total values	✓ Past 25 values each for 56 items. 1,400 total values	NS	NS	NS	NS
Additional Information on console	✓ Sunrise/Sunset, moon phase, time & date, average, total and high/low readings, ticker tape forecast.	✓ Sunrise/Sunset, moon phase, time & date, average, total and high/low readings. Weather Center with scroll- through data screens	Moon phase, time & date, calendar.	Time & date, calendar.	Sunrise/Sunset, hours of sun per day, moon phase, time & date, frost warning. Ability to leave backlight on with AC power permanently.	Time & date
Console/Sensor Power	✓ Console: C batteries or AC adapter; Sensors: Solar Power	✓ Console: C batteries or AC adapter; Sensors: Solar Power	Console: AC adapter, backup AA batteries; Sensors: Battery & Solar Power	Console: AA batteries or AC adapter; Sensors: Batteries or AC adapter	Console: AC adapter, backup AA batteries; Sensors: 3 AA Batteries	Console and Sensors: AC adapter
Data Logger (included or available as option)	Stores over 6 months of data (Last/min/max in/out temp., wind, rain, in/out hum., bar, solar & UV if installed, ET, leaf temp/wetness, soil temp/moist., and addtl sensors)	Stores over 6 months of data (Last/min/max in/out temp., wind, rain, in/out hum., barometric pressure)	Up to 14 months (Included. Temp., Hum., Wind min/max only)	28 months (Included. 12 hour intervals)	Stores about 6 months of data (Included. 3000 records at 1 min. - 90 min. intervals = 50 hrs. to 4500 hrs.)	Stores almost 3 months of data
Number of User-Settable Alarms	✓ Over 70	✓ 22	13	18	About 6	6 with software; via email/phone
NIST Traceable	✓ Yes (all sensors)	✓ Yes (some sensors)	---	No	No	---
Updatable Console Firmware	✓ Yes	✓ Yes	---	No	Yes	Yes
Set-up	✓ Minimal assembly required.	✓ Very minimal assembly required.	Some assembly required.	Set-up required: pieces mounted separately.	Some assembly required. Sensor batteries last 2 years max.	Set-up required: pieces mounted together.
Made in the United States	✓ Yes	✓ Yes	No	No	No	Yes
SUPPORT						
Technical Support	✓ Direct to USA manufacturer	✓ Direct to USA manufacturer	Direct to manufacturer.	Direct to USA distributor.	Direct to USA distributor.	Direct to USA Manufacturer
Online Documentation	✓ Manuals, Specs, Application Notes, Compatible products, more.	✓ Manuals, Specs, Application Notes, Compatible products, more.	Manuals, Specifications.	Manuals, Specifications.	Manuals, Specifications.	Manuals, Specifications.
Service & Repairs	✓ Performed on-site at USA manufacturer	✓ Performed on-site at USA manufacturer	---	Performed on-site in USA	Performed on-site in USA	Performed on-site at USA manufacturer
FLEXIBLE OPTIONS						
Extreme Weather Options	✓ Fan aspirated radiation shields, rain collector heater. Sensors are coated, potted, and overmolded with extensive testing for extreme wind, UV, and salt/corrosion.	✓ Sensors are coated, potted, and overmolded with extensive testing for extreme wind, UV, and salt/corrosion.	---	---	---	Rain collector heater, Lightning sensor
Remote Location Options	✓ Short/long range repeaters, weather-proof shelters, solar power kits, telephone modem adapter, available anywhere via Internet data logger.	✓ Short/long range repeaters, weather-proof shelters, solar power kits, telephone modem adapter, available anywhere via Internet data logger.	---	---	---	---
Agricultural Sensors Available	ET, Leaf Wetness, Soil Moisture, Temperature & Humidity Stations	---	Temperature and Humidity sensors, UV sensors.	Temperature and Humidity sensors.	Temperature and Humidity sensors.	Leaf Wetness, Temperature sensor, Solar radiation sensor.

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