WeatherStation[®] Multisensors

A Compact, Rugged Instrument for Informed Decision-Making



The Airmar Weather Station Instruments are unique, as they are the only weather monitoring system that can report Dynamic True and Apparent wind speed and direction/angle in one compact housing with no moving parts or external interfaces.

Relative Humidity (optional)

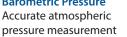
Field serviceable RH sensor with



Ultrasonic Wind Measurement Dynamic True and Apparent wind speed and direction with no



moving parts **Barometric Pressure**



With calculated heat index and wind chill when RH module is

pressure measurement

Air Temperature

installed





10 Hz GPS Position, COG,SOG, time stamping

calculated dew point



3-Axis Compass With dynamic stabilization and better than 1° accuracy



Rain Measurement

Maintenance free acoustic rain measurement including duration, intensity and amount with 95% accuracy



Solar Stabilization

Solar radiation shield increases the accuracy and stability of temperature and relative humidity readings



3-Axis Rate Gyro For rate-of-turn data



3-Axis Accelerometer For pitch and roll



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	110WX	200WX	200WX- IPX7	220WXH	150WXS	150WXRS
Apparent wind speed and angle	1	1	1	1	1	1
Dynamic True wind speed and direction		1	\checkmark	1	1	1
Barometric pressure	1	1	1	1	1	\checkmark
Air temperature	1	1	1	1	1	1
10 Hz GPS (Position, COG, SOG)		1	\checkmark	✓	1	\checkmark
Three-axis accelerometer for pitch & roll		1	\checkmark	1	1	1
Two-axis solid-state compass: Better than 1° static compass accuracy					1	
Three-axis solid-state compass with dynamic stabilization: Better than 1° static compass accuracy Best-in-class 2° dynamic compass accuracy		1	1	J		1
Three-axis rate gyros provide rate-of-turn data		1	1	\checkmark		\checkmark
Solar shield					\checkmark	\checkmark
Rain accumulation, duration, intensity						1
Heater				\checkmark		
Relative humidity (field-serviceable) Calculated dew point Calculated heat index	✓ Optional	✓ Optional			✓ Standard	✓ Standard
Weatherproof rating	IPX6*	IPX6*	IPX7	IPX6	IPX6	IPX6
Operating voltage	9-40 VDC	9-40 VDC	9-40 VDC	12-24 VDC	9-40 VDC	9-40 VDC
Output options include: Hardware Interfaces: Serial RS232, Serial RS422, CAN Data Protocols: Serial – NMEA 0183, CAN – NMEA 2000 Serial Data Transmission Code: ASCII	1	J	J	✓ (0183 only) cannot be used with an NMEA 2000® CAN bus network	J	✓ (0183 only) cannot be used with an NMEA 2000® CAN bus network

* Rating stated is without optional RH sensor installed.





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