WeatherStation® Multisensors
A Compact, Rugged Instrument for Informed Decision-Making

Ultrasonic Instruments
Rugged Reliability, Proven Performance.

The Airmar WeatherStation 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.

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

Relative Humidity (optional)
Field serviceable RH sensor with calculated dew point

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

Barometric Pressure
Accurate atmospheric pressure measurement

10 Hz GPS
Position, COG, SOG, time stamping

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

Air Temperature
With calculated heat index and wind chill when RH module is installed

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

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	✓	✓	✓	✓	✓	✓
Dynamic True wind speed and direction		✓	✓	✓	✓	✓
Barometric pressure	✓	✓	✓	✓	✓	✓
Air temperature	✓	✓	✓	✓	✓	✓
10 Hz GPS (Position, COG, SOG)		✓	✓	✓	✓	✓
Three-axis accelerometer for pitch & roll		✓	✓	✓	✓	✓
Two-axis solid-state compass: Better than 1° static compass accuracy					✓	

Three-axis solid-state compass with dynamic stabilization:
    Better than 1° static compass accuracy
    Best-in-class 2° dynamic compass accuracy
		✓	✓	✓		✓

Three-axis rate gyros provide rate-of-turn data		✓	✓	✓		✓
Solar shield					✓	✓
Rain accumulation, duration, intensity						✓
Heater				✓		

Relative humidity (field-serviceable)
    Calculated dew point
    Calculated heat index
	✓
	Optional
		✓
		Optional
					✓
					Standard
						✓
						Standard

Weatherproof rating	IPX6*	IPX6*	IPX7	IPX4	IPX4	IPX4
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	✓	✓	✓	✓ (0183 only) cannot be used with an NMEA 2000® CAN bus network	✓	✓ (0183 only) cannot be used with an NMEA 2000® CAN bus network

Rating stated is without optional RH sensor installed.

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ISO CERTIFIED   CE   MADE IN THE USA