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 true, apparent, and theoretical wind speed and direction in one compact housing with no moving parts. Ideal for stationary or mobile platforms, land-based or off-shore applications.

Ultrasonic Wind Measurement
True, apparent and theoretical wind speed and direction with no moving parts.

Barometric Pressure
Accurate atmospheric pressure measurement.

Temperature
With calculated heat index and wind chill.

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

10 Hz GPS
Position, COG, SOG, time stamping.

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

Rain Measurement
Maintenance free acoustic rain measurement including amount, duration, and intensity.

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 and best in class pitch and roll accuracy.

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	110WX	200WX	200WX-IPX7	220WXH	150WXS	150WXRS
Apparent wind speed and angle	✓	✓	✓	✓	✓	✓
Theoretical wind speed and direction		✓	✓	✓	✓	✓
Barometric pressure	✓	✓	✓	✓	✓	✓
Air temperature plus calculated wind chill	✓	✓	✓	✓	✓	✓
10 Hz GPS (Position, COG, SOG)		✓	✓	✓	✓	✓
Three-axis accelerometer for pitch & roll		✓	✓	✓	✓	✓

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	IPX6	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
    Protocols: Comma delimited ASCII,
    NMEA 0183, NMEA 2000®
	✓	✓	✓	✓
				(0183 only)
					✓	✓

Rating stated is without optional RH sensor installed.

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