

# 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.



### Relative Humidity (optional)

Field serviceable RH sensor with calculated dew point.



### Rain Measurement

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



### 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.



### Temperature

With calculated heat index and wind chill.



### 3-Axis Compass

With dynamic stabilization and better than 1° accuracy.



### 3-Axis Rate Gyro

For rate-of-turn data and best in class pitch and roll accuracy.



	110WX	200WX	200WX-IPX7	220WXH	150WXS	150WXR5
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	Optional	Optional			Standard	Standard
Calculated heat index						
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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