

# Provides Seven Essential Weather Readings With No Moving Parts!

The Airmar Ultrasonic WeatherStation informs you of instantaneous changes in the weather. With our new, intuitive PC software, you have your own personal weatherman on-board the boat 24 hours a day, 7 days a week!

While at home, log on to your vessel's computer to see the current weather conditions at the boat.

Before leaving the dock, anticipate weather fronts by checking the wind speed and direction, temperature and barometric pressure. Check the weather history graphs as the Airmar Weatherstation takes readings from the previous day, even while the PC is turned off!

While underway, the true wind data can be sent to the autopilot to correct course, and get you to your destination more quickly and efficiently than ever before.

While docking, true wind data displayed on the On-board PC or chartplotter will make docking your vessel in high wind situations a breeze.

The easy-to-use PC software has multiple screen views and backgrounds to fit your needs. The wind tunnel-tested, compact sensor with removable cable makes for a simple installation. The built-in GPS can serve as a primary position source or backup to your electronics suite.



Detail of the digital screen



# Ultrasonic WeatherStation Technical Information

Specifications\*

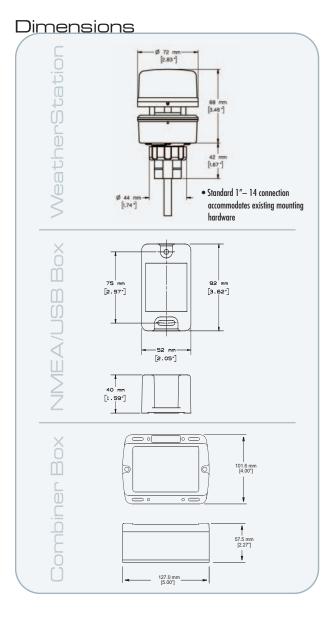
Wind Speed Range	0.5 to 99.5 knots	Barometric Pressure Range	850-1150 mb
Wind Speed Resolution	0.1 knot		(25"— 34" Hg)
Wind Direction Resolution	1°	Barometric Pressure Accuracy	/ +/- 1.5%
Wind Direction Sensitivity	+/- 1.5°	Relative Humidity Range	10-95 % RH
Temperature Range	-30 $^{\circ}$ C to 50 $^{\circ}$ C	Relative Humidity Accuracy	+/- 5% RH
Temperature Accuracy	+/- 1.5° C	Supply Voltage	10-16 VDC
Compass Sensing	+/- 1° typically	Weight	285 grams

#### **Options**

- Optional combiner interface allows the WeatherStation to be displayed simultaneously on both a PC and **NMEA** device
- Sailboat version (available 2006) incorporates accelerometer and mounted Windex® indicator with LED lighting for night viewing







# Data Output Protocol

### NMEA 0183 Sentence Structure

\$WIMWV	Wind Speed and Angle
\$WIMWD	Wind Direction and Speed
\$WIMDA	Meteorological Composite
\$WIXDR	Wind Chill Temperature
\$GPGGA	GPS Fix Data
\$GPGLL	Geographic Position L/L
\$GPRMC	Recommended Minimum GNSS
\$GPVTG	COG and SOG
\$HCHDG	Heading, Deviation, Variation

## NMEA 2000® Supported PGN's

60928	ISO Address Claim	129044	Datum
26996	Product Information	129538	<b>GNSS Control Status</b>
26998	Configuration Information	129539	GNSS DOPs
26464	PGN List	129540	<b>GNSS Sats in View</b>
30306	Wind Data		
30311	Environmental Parameters		
27250	Vessel Heading		
27258	Heading Variation		
28259	Speed, Ground Referenced		
29029	GNSS Position Data		

