



WXPro Integrated Single Station Weather Reporting System

Pharos Marine Automatic Power's WX PRO Integrated Single Station Weather Reporting system offers a rugged, low-cost, low power, easy to install weather reporting solution for buoys and platforms.

The unit features rugged, multi-parameter weather sensors with state-of-the-art technology:

- Sonic anemometer for wind speed measurement
- Multi-element sensor for highly accurate and stable temperature readings
- Fast-response, capacitive relative humidity sensor
- State-of-the-art barometric pressure sensor
- Internal fluxgate compass for automatic alignment of wind direction

The WX Pro Weather Station connects to a Datalogger/ MicroServer that can be connected directly to the AtonisPro AIS Aton Transponder to report weather data via Message 8 in IMO format. The user can configure the reporting intervals for Message 8 and ATONIS controls the on/off times of the datalogger/microserver to keep power consumption at the lowest possible level.

Water level sensors can be connected to the Datalogger/Microserver to report tidal data in IMO Message 8 format.



Features

- Integrated sonic wind sensor
- Automatic self-alignment internal fluxgate compass
- Rugged metal construction for use in demanding applications
- No mechanical components means virtually no maintenance
- Low power consumption – ideal for battery or solar-powered installations
- AIS Ready to Report Message 8 Met /Hydro data

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SPECIFICATIONS

Dimensions:	419 mm H, 113 mm Dia. (16.5" x 4.46")
Weight:	0.91 kg (2.0 lbs.)
Input Voltage:	0-38 VDC (12 Volts Nominal)
Power Consumption:	50 mA Active @ 12 V, 0 mA Sleep Mode
Quiescent Current:	0.0 mA
Temperature:	-50° to +50°C (-58° to +122°F)
Accuracy:	±0.2°C
Resolution:	0.1°C
Relative Humidity:	0 to 100%
Accuracy:	± 3%
Resolution:	1%
Wind Speed:	0 to 50m/sec (0 to 112 mph)
Accuracy:	±0.5 m/s or 5% of reading
Resolution:	1 m/s
Wind Direction:	0 to 360°
Accuracy:	± 5° @ wind speed > 2.2 m/s
Resolution:	1.0°
Compass:	0 to 360°
Accuracy:	±2°
Resolution:	1°
Barometric Pressure:	600 to 1100 hPa
Accuracy:	±0.35 hPa
Resolution:	0.1 hPa
Environmental:	
Temperature:	-50° to +70°C (-58° to +158°F)
Humidity:	0 to 100%
Materials:	Anodized Aluminum and Stainless Steel
Mounting:	37.6 mm (1.48 in.) O.D.; 26.9 mm (1.06 in.) I.D. Pole

*Specifications subject to change without notice.

