

## NEW PRODUCTS

The **GPS2** is a GPS antenna that outputs NMEA 0183 serial data and also creates an analog paddlewheel output signal from the built-in GPS so you can connect and display Speed Over the Ground (SOG) on a standard analog or digital speed log.

The GPS2 outputs standard NMEA 0183 serial data for use with your favorite charting software, chartplotter or NMEA 0183 data repeater.

At no extra cost, the GPS2 outputs an analog paddle wheel signal that can replace a thru-hull or transom mount paddlewheel speed transducer and provides Speed Over the Ground in place of Speed Through the Water.

No more cleaning of paddlewheels to remove marine growth or weeds.

Provides a more accurate estimate of time to get to your destination since it is not affected by water currents and provides a resolution of 0.01 knots from 0.00 to 65.00 knots.

The GPS2 is powered by 12VDC and draws only 0.04 amps.



The **SOG2** creates an analog paddlewheel output signal from the built-in GPS NMEA 0183 so you can connect and display Speed Over the Ground (SOG) on a standard analog or digital speed log.

The SOG2 replaces a thru-hull or transom mount paddlewheel speed transducer and provides Speed Over the Ground in place of Speed Through the Water.

No more cleaning of paddlewheels to remove marine growth or weeds.

Provides a more accurate estimate of time to get to your destination since it is not affected by water currents and provides a resolution of 0.01 knots from 0.00 to 65.00 knots.



## NEW PRODUCTS



The **UWSD10** ultrasonic wind speed/direction sensor provides NMEA 0183 output of wind speed, wind direction and air temperature using four ultrasonic sensors configured in a 3 dimensional array. The UWSD10 has no moving parts to wear out.

The UWSD10 calculates wind speed with a resolution of 0.01 knots and works from zero wind speed to 120 knots. Wind direction is output in full degrees and air temperature in degrees C.

The UWSD10 draws only .040 amps and is provided with a 30M cable and two waterproof connectors.

Each UWSD10 wind sensor is individually calibrated in our wind tunnel every 1 degree from 0 to 359 degrees and the errors mapped and

compensated to provide the best accuracy possible.

The **WSD-110** provides accurate digital instrumentation for wind speed, average wind speed, apparent wind speed, true wind speed and Velocity Made Good (VMG), apparent wind direction, true wind direction and air temperature from several different NMEA 0183 data sentences.

If NMEA 0183 boat speed or GPS data is available, the WSD-110 will calculate true wind speed, true wind direction and VMG with respect to the boat or respect to the ground.

Apparent wind speed/direction, true wind speed/direction, boat speed and VMG data is logged to a non-volatile memory. You can select 240 different logging periods between 2.5 seconds to 10 minutes per sample providing up to 40 days of data. Serial logging data is output in comma delimited CSV (Excel) format.

The WSD-110 displays Speed, Average Speed and Maximum Speed up to 99.9 Knots (115 M.P.H.) in tenths, wind direction in degrees and air temperature in degrees F or C. Speed can be displayed in Knots, MPH, Km/H or M/S with selectable display damping. Temperature can be displayed in degrees Fahrenheit or Celsius. Speed, direction and temperature may all be calibrated using the front panel keys.

