

Paddlewheel Sensor to B&G UWU converter with NMEA output

Specifications for software version 1.02

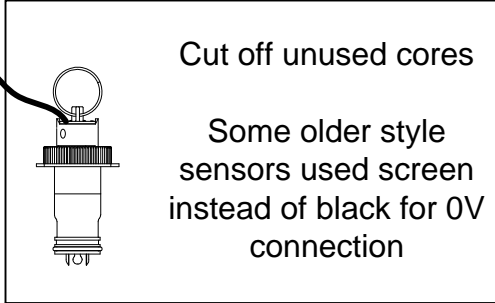
Current consumption dependant on NMEA load but typically 45mA

Output drive capability 60mA maximum

Output in accordance with the EIA-422 specification

12 Volt ships supply

Use 250 mA fuse



B&G Harrier, Hornet or Hercules

Do not connect screen at Hercules

Older Grey Box B&G with Co-ax type connectors:
Inner core connects to Red
Outer Screen connects to Blue

OUTPUT: NMEA 0183 V3.01

Typical output sentences once per second as follows:

`$IIVHW,,,,,6.32,N,11.70,K*7C<CR><LF>`
Giving Boat Speed in knots and km/h

`$PTIN,CAL,4.5*62<CR><LF>`
Giving calibration adjustment

Note: Some interfaces that are not compliant with NMEA 0183 or EIA-422, (PC's for example), can cause a conflict with this output. This results in excessive current drawn and corruption of data. If this happens connect 'Output A' as the output signal and use '0 Volts' as signal ground. Do not connect NMEA Output B to 0V or ships ground.

Calibration screw:
Turn clockwise to increase output up to 50% approximately 5% per 360° turn of screw. Special NMEA sentence output as above shows calibration increase in percent

