

# NAVITRON SYSTEMS LTD

## Heading & Speed Data Interfaces

Designed and developed by Navitron Systems Ltd to provide heading data/signal coupling between otherwise incompatible equipment, the Navitron Heading Data Interface range offers simple to install solutions to many heading data and speed log communication problems.

Three models of Heading Data Interface (HDI) are available to convert heading signals sourced from proprietary types of gyro, magnetic and electronic compass to the signal format(s) required to 'handshake' with a wide range of end users such as Radars, Trackplotters, Autopilots, GPS Receivers and Heading Repeaters. Additionally, two of the models will accept speed log pulse information for conversion to combined NMEA heading & Speed data output (VHW sentence) for use by ECDIS, AIS and VDR systems etc.

**Input Signal type: -  
Heading: -**

NMEA 0183  
(0.2 - 50Hz)

Furuno  
(0.2 - 50Hz)

**Speed: -**

(200 or 400 pulses  
per nautical mile)



**Model NT920 HDI** ~ typically for use with electronic / GPS compass types and/or pulse output speed logs.

**Simultaneous Outputs: -  
Heading: -**

Navitron Autopilot Data

Navitron Serial Data

Furuno (5Hz or 40Hz)

3, 6, 12, 24 Step/degree

**Heading & Speed: -**

NMEA 0183 (VHW)@ 1Hz & 3Hz  
with NMEA 0183 (HDT)@ 10Hz  
or

NMEA 0183 (VHW)@ 1Hz & 3Hz  
with NMEA 0183 (HDM & HDG)  
@ 6Hz



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Osborn House, 25E Brockhampton Lane, Havant, Hampshire PO9 1JT

TEL: (UK) +44 023 9249 8740

(INT) +44 23 9249 8740

Email: sales@navitron.co.uk

FAX: (UK) +44 023 9249 8783

(INT) +44 23 9249 8783

Web: www.navitron.co.uk