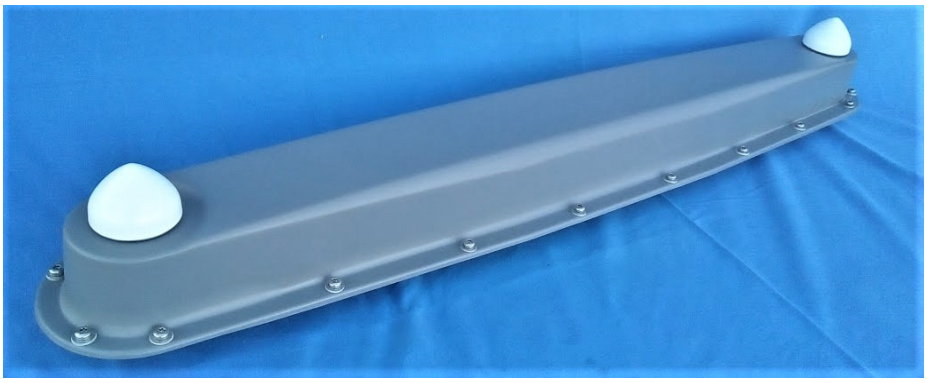
Navtech Systems GPS Devices

GPS Compass NTS-HS220-1M



The Navtech **NTS-HS220-1M** GNSS Compass provides TRUE heading from the **GPS, GALILEO, GLONASS, & BeiDou,** satellites. By simultaneous and coincident constellation tracking, two receivers with common processing derive the local position, differential GNSS corrections and heading with respect to True (geographic) North using signals from two highly selective antennas on a 1-meter base line. Position accuracy using SBAS is better than 1 meter.

By using high precision differential carrier phase measurements heading accuracies to better than 0.5 º can be achieved (with long-term deviation [hours/days] of +/-1.5 º max)

For dynamic applications tilt and turn rate sensing (gyro) aiding is included, configured by user commands. ***This provides high accuracy pitch, roll, yaw & heading measurements for a fully comprehensive attitude sensor.***

A robust and comprehensive user interface with an isolated dc/dc power converter, RF signal path processing and dual port drivers offering isolated RS232 interfacing provides a versatile heading sensor for a variety of applications that is not affected by magnetic deviation influences or variation offsets.

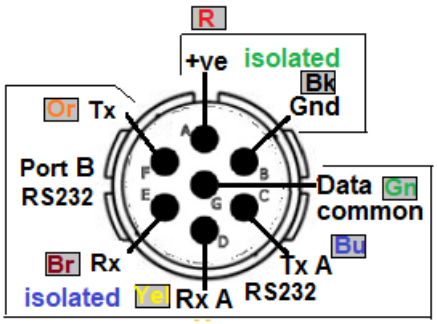
Integrated GNSS antennas provide for a complete True North compass solution requiring only power and the data interface connections.

Specifications:

Power: 10 to 36 volts dc (3 watts)

Interface: Port A RS232 configurable baud rate (default 19,200)
Port B RS232 configurable baud rate (default 19,200)
Each port is pre-programmed with NMEA Messages typically:-
$GPGGA, $GPHDT, $GPRMC & $PASHR (heading, pitch & roll)
@ 1/sec. intervals. Baud rate = 19,200

Note: all re-configurable to user requirement.



Dimensions: 1200 x 185 x 120mm, Weight: 3.1 Kg

Environmental: NTS-HR220-1M (IP66)

Connections: Power & data: Mil 7 pin:-

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