

NAVSHARE

GAGAN enabled Bluetooth GPS



Product Description

NAVSHARE is a portable, self-contained GAGAN enabled GPS data recorder. The unit comprises of a high sensitivity GPS + GAGAN receiver with on-board non-volatile memory, antenna and an in-built rechargeable battery. The receiver is based on Accord's indigenous GPS receiver technology.

The device has a compact, lightweight design and is built with tough ABS plastics.

The unit continuously records user's position, speed, heading and time in a high endurance non-volatile memory. The receiver's intelligent power saving mode extends the battery operation.

The Live NMEA data can be streamed directly to Android mobile phone through Bluetooth. The phone needs to have suitable application to receive the serial data and display it.

It has a special feature of reception of Type 63 messages from all available GAGAN satellites and send it to the processing applications.

Features

- ◆ High Sensitivity GAGAN enabled GPS Receiver
- ◆ Designed for Location Sharing Application
- ◆ Improved Accuracy with GAGAN Signals
- ◆ Rechargeable in-built Li-ion Battery
- ◆ Compact, Lightweight, Durable design
- ◆ USB and Bluetooth interface
- ◆ NMEA0183 Rev 4.10 messages
- ◆ Indigenous GNSS Receiver
- ◆ GAGAN Type 63 reception for GAMES applications



Few of other products realized by ACCORD



GNSS Precise Timing System



Airborne CDU



Airborne GPS-GAGAN Rx



Airborne CSWS



GNSS User Receiver



GNSS Module

Specifications

Performance

| | |
|------------------------------|--|
| Channels | 16 |
| Signals | GPS L1, C/A code and GAGAN L1, C/A code |
| Cold Start TTFF | 45 seconds (typical) |
| Hot Start TTFF | 1 seconds (typical) |
| Positioning Modes | GPS + GAGAN, GPS Standalone |
| Horizontal position Accuracy | 2.5m(RMS) with GAGAN , 5m (RMS) Standalone GPS |
| Speed Accuracy | 0.1 m/s (RMS) |
| Position Update Rate | 1 Hz |
| Recording Rate | 1 Hz |
| Altitude | -1,000m to +18,000m |
| Storage | 100,000+ Records |
| Battery Life | 24 Hours |

Power / Antenna / Interface

| | |
|-------------------------------|---|
| Power Supply | Rechargeable Li-ion Battery |
| Antenna | Inbuilt GPS Antenna |
| Host Interface | Mini-B USB interface for Serial communication |
| GUI Data formats | NMEA, .kml, .igc |
| Bluetooth Protocol | Bluetooth Specification v2.0+EDR |
| Bluetooth Frequency and Power | 2.4GHz/ Class2, ≤4dBm |

Physical

| | |
|--------------------|-----------------------------------|
| Weight of the Unit | 110 gms (including battery) |
| Dimensions | 67 mm x 68 mm x 27 mm (L x W x H) |
| Enclosure | ABS plastic |

Environmental

| | |
|-----------------------|-----------------------|
| Operating Temperature | 0° C to +60° C |
| Storage Temperature | -20° C to +70° C |
| Humidity | 95% RH non-condensing |



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