GNSS EQUIPMENT

NSR's new generation of IMO GNSS:

- Large 7 inch color LCD
- Touch screen operation
- Port for BAM system/INS connection
- GPS, BDS, GLONASS
- DGPS with NSR beacon
- Type approval with DNV (MED), CCS, RS and VR

| NGR-1000 | CCS, VR |
|----------|---------|
| NGR-3000 | DNV, RS |





- Comprehensive navigation data displays.
- Storage for up to 999 waypoints and 30 routes.
- 7 inch, color LCD, touch screen operation with adjustable brilliance.
- Dedicate port for BAM system/INS connection.
- 3 GNSS data outputs.
- A DGPS Beacon Unit (NDG-100) may be connected to the NGR-1000/NGR-3000 to add DGPS function.
- Meets the requirements of relative IMO and IEC regulation & standards, including IMO MSC.112 (73), IMO MSC.302 (87), IEC 61108-1, IEC 62923-1, IEC 62923-2 etc.





















SPECIFICATIONS

GNSS RECEIVER

- Receiving System: 50 channels parallel

- RX Frequency: GPS L1, GLONASS L1, BDS B1

- RX Code: C/A code

- Position Accuracy: Approx. 2.5m, 95% of the time,

horizontal dilution of position (HDOP) ≤ 4

- Tracking Velocity: 999 kts

- Position-fixing Time: Warm start: 45 seconds

Cold start: 60 seconds

- Position Update Interval: 1 second

DISPLAY SECTION

- Display: 7 inch, color LCD, touch screen operation

- Fix Mode: GPS/GLONASS/BDS

- Alerts: Lost of Position, HDOP > 4, DGNSS lost

• INPUT/OUTPUT DATA

- Output Data: RS422, max 3 ports,

Baud Rate 4800/9600/19200/38400 bps

- Sentences: GNS, GBS, GGA, RMC, VTG, ZDA, DTM, etc.

- BAM/INS connection: IN/OUT, RS422

POWER SUPPLY: DC 24V (range 12 ~ 36 V), 0.25 ~ 0.50 A

ENVIRONMENTAL CONDITIONS

- Ambient Temperature: Antenna Unit: -25°C \sim +70°C

Main Unit: -15°C ~ +55°C

Relative Humidity: 95% at 40°CIP Grade: IP66 (Antenna Unit)

IP22 (Main Unit)

• OTHERS

- Size: 145 (H)×264 (W)×83 (D) mm

- Weight: 1.25 kg (Main Unit)

NGA100 GNSS ANTENNA NDG-100 BEACON UNIT ORDER GNSS NAVIGATOR BAM/INS I/O NMEA OUT ALARM OUT ALARM OUT

EQUIPMENT LIST

STANDARD

GNSS Navigator 1 setGNSS Antenna with Cable 1 pc

- Installation Materials 1 set

OPTIONS

Beacon Unit (DGPS Beacon & Antenna)
 Flush Mount Bracket
 1 pc

- NMEA Distribution Box 1 set

- AC/DC PSU 1 pc





