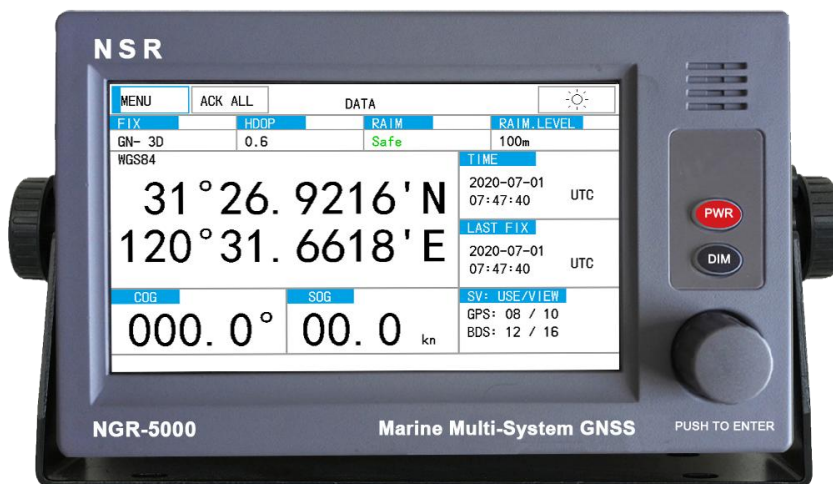


NGR-5000

MARINE Multi-System GNSS NAVIGATOR

NSR's new generation of IMO Multi-System GNSS:

- 7 inch color LCD, touch screen operation
- BDS, GPS, GLONASS, 3 in 1
- Port for INS connection
- Meet latest IEC61108-5 BDS standards
- Type approval with CCS



- 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 INS connection.
- 2 GNSS data outputs.
- A DGNSS beacon receiver (external) may be connected to the NGR-5000 to add DGNSS function.
 - Meets the requirements of relative IMO and IEC regulation & standards, including IMO MSC.112 (73), IMO MSC.379 (93), IMO MSC.401(95), IMO MSC.432(98), IEC 61108-5, IEC 62923-1, IEC 62923-2 etc.



SPECIFICATIONS

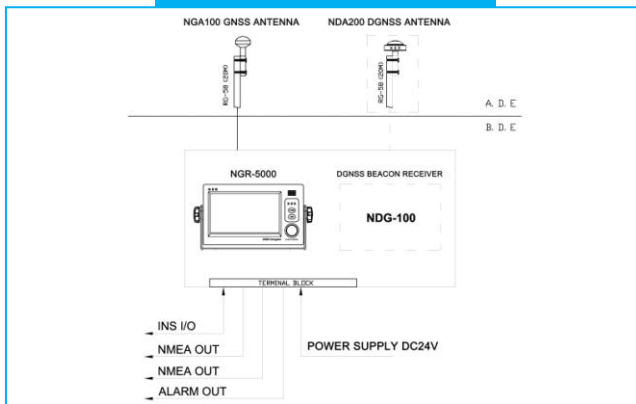
- **GNSS RECEIVER**
- Receiving System: BDS, GPS, GLONASS (standalone or combined)
- Position Accuracy: Approx. 2.5m, 95% of the time, horizontal dilution of position (HDOP) ≤ 4
- Tracking Velocity: 999 kts
- Position-fixing Time: Warm start: 30 seconds
Cold start: 45 seconds
- Position Update Interval: 1 second
- **DISPLAY SECTION**
- Display: 7 inch, color LCD, touch screen operation
- Fix Mode : BDS, GPS, GLONASS, BDS+GPS, GPS+GLONASS
- Alerts: Lost of Position, HDOP > 4, DGNSS lost
- **INPUT/OUTPUT DATA**
- Output Data: RS422, totally 2 ports, Baud Rate 4800/9600/19200 bps
- Sentences: All those from BDS, GPS, GLONASS
- INS connection: INS IN/INS OUT, RS422
- Input Data: DGNSS RTCM 10402.4
- **POWER SUPPLY:** 12-24 VDC, 0.25-0.50 A
- **ENVIRONMENT CONDITION**
- Ambient Temperature: Antenna Unit: -25°C to +70°C
Main Unit: -15°C to +55°C
- Relative Humidity: 95% at 40°C
- IP Grade: Antenna Unit: IP66
Main Unit: IP22
- OTHERS**
- Size: 145(H) x 264(W) x 83(D) mm
- Weight: abt 2 kg (main unit)

EQUIPMENT LIST

- **STANDARD**
- NGR-5000 Main Unit 1 set
- NGA100 Antenna with Cable 1 pc
- Installation Materials 1 set
- **OPTIONS**
- Flush Mount Brackets 1set
- NDG-100 with NDA200 1set
- AC/DC PSU 1 pc



SYSTEM DIAGRAM



SIZE DIMENSION

