

SATELLITE SPEED LOG & THD/GNSS

NGC-3000

- Fully complies with SDME (Speed and Distance Measuring Device) standard IEC 61023
- Fully complies with THD (Transmitting Heading Device) standard ISO 22090-3
- Fully complies with GNSS (GPS Equipment) standard IEC 61108-1
- Large LCD, 7-inch/color, touch screen operation
- Highly accurate SOG, COG, and position
- Highly accurate heading of 0.4° RMS
- Transverse speed as well as longitudinal speed
- Roll, pitch and angular information for navigation equipment
- Multi outputs of RS422 & Data interface for BAM/INS
- Maintenance-free design
- Type approval with DNV & CCS



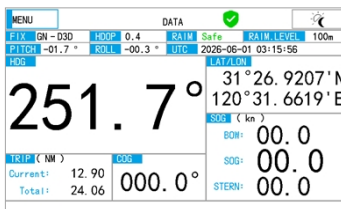
PROCESSOR UNIT



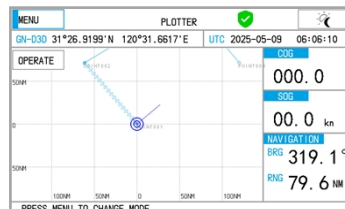
DISPLAY UNIT



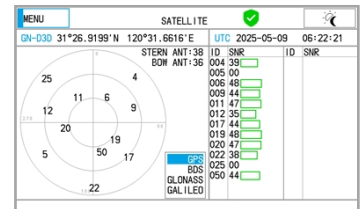
ANTENNA UNIT



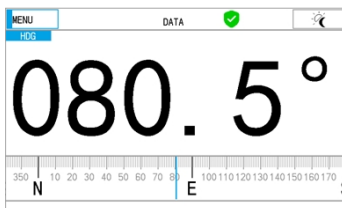
DATA (NAV DATA)



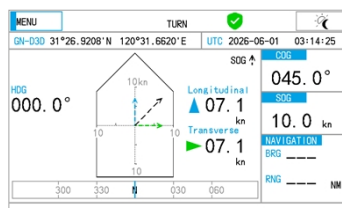
PLOTTER



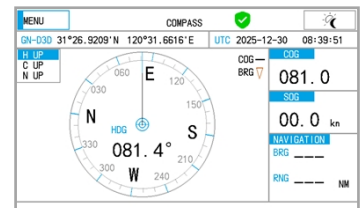
SATELLITE



DATA (HEADING)



TURNING



COMPASS



SPECIFICATIONS

● GENERAL

- Heading Accuracy: 0.4° RMS
- Heading Resolution: 0.1° ~ 0.0001°
- Tracking Rate of Turn: 45°/sec
- Pitch/roll Angle: ±60°
- Receiving Frequencies: GPS L1/L2/L5, BDS B1/B2/B3, GLONASS L1/L2/L3, GALILEO E1/E5/E6, QZSS
- Position Accuracy: < 2m
- Speed Accuracy: < 0.1 m/s
- Maximum speed: 70 nm/h
- Trip Accuracy: <0.2 nm/h
- Maximum Trip: 99999.9 nm
- Heading-fixing Time: Cold start: 60 seconds
- Heading Update Interval: ≥20 ms
- Position Update Interval: ≥1 sec
- RAIM Indicators: Safe, Unsafe, Caution
- Route: Up to 30
- Waypoint: Up to 999
- Data Output Rate: max 50 Hz

● DISPLAY

- Display System: 7-inch, color LCD, touch screen operation, 154 (W)×87 (H) mm
- Resolution: 800×480 dots
- Display Mode: DATA, PLOTTER, TURNING, COMPASS, SATELLITE

● INTERFACE

- Output Ports: 3 x IEC 61162-1/IEC 61162-2
- Transmission Speed: 4800/9600/19200/38400 bps (selectable)
- BAM/INS In/Out: ACN, ALC, ALF, HBT
- Data Sentences: HDT, THS, ROT, HDG, HDM, DTM, GBS, GFA, GGA, GLL, GNS, RMB, RMC, RTE, VBW, VLW, VTG, WPL, ZDA

● POWER SUPPLY:

- DC 24 V (range 12~36 V), 500~700 mA

● DIMENSION:

- 174 (W)×81 (H)×160 (D) mm (Processor Unit)
- 264 (W)×145 (H)×83 (D) mm (Display Unit)
- 808.2 (W) × 240.1 (H) × 244.4 (D) mm (Antenna Unit)

● ENVIRONMENTAL CONDITION

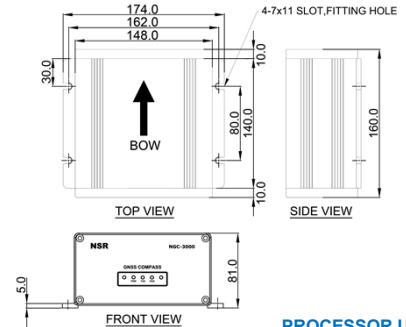
- Operating Temperature: -20°C~+55°C (Processor Unit, Display Unit)
- 25°C~+70°C (Antenna Unit)
- IP Grade: IP22 (Processor Unit & Display Unit). IP66 (Antenna Unit)

EQUIPMENT LIST

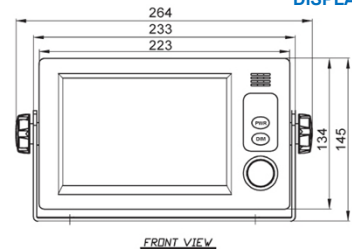
● STANDARD

- Processor Unit	NGC-3000P	1 pc
- Display Unit	NGC-3000D	1 pc
- Antenna Unit	NGC-3000A	1 pc
- Accessories		1 set

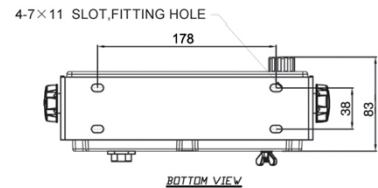
SIZE DIMENSION



PROCESSOR UNIT



DISPLAY UNIT



ANTENNA UNIT

SYSTEM DIAGRAM

