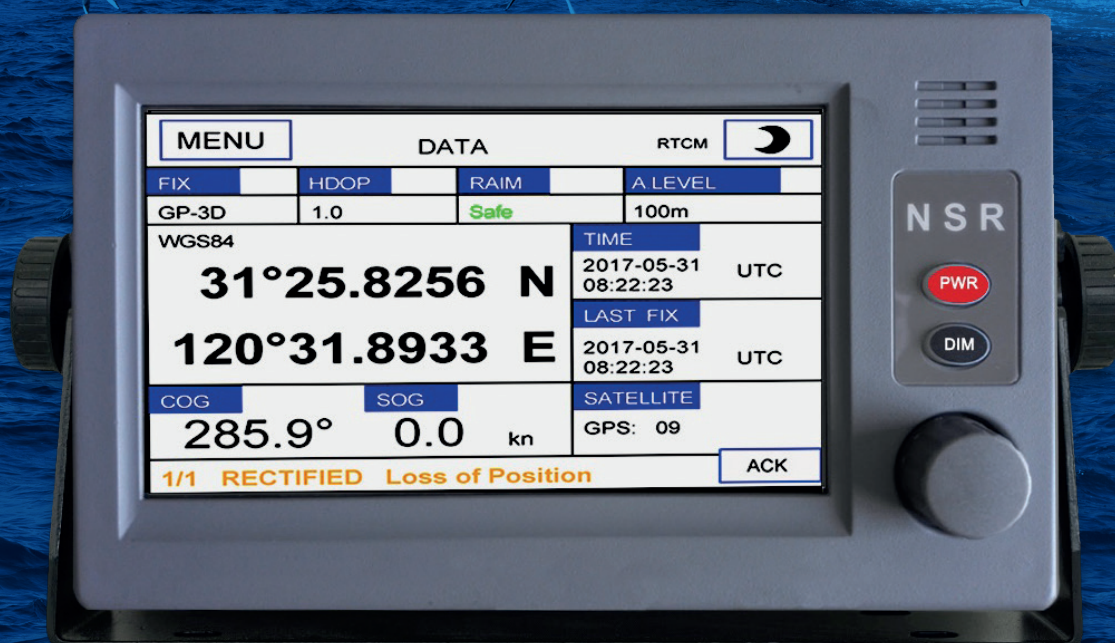




NGR-3000 MARINE GPS



NSR'S NEW GENERATION IMO GPS

MED / Wheelmark type approved by DNV-GL

Large 7-inch color LCD display with touchscreen

3 GPS data outputs

INS/BAM input/output

Comprehensive navigation data displays

NGR-3000 MARINE GPS



The high sensitive NGR-3000 GPS NAVIGATOR tracks up to 50 satellites simultaneously. It ensures optimum accuracy in determination of vessels position, course and speed.

Features

Comprehensive navigation data displays
Storage for up to 999 waypoints and 30 routes
7-inch, color LCD, touchscreen operation with adjustable contrast and brilliance
Dedicate port for BAM/INS connection

3 GPS data outputs
DGPS beacon receiver (external) for DGPS function
Fully complying with latest international regulations
IMO MSC112 (73), MSC302(87), IEC61108-1, IEC62923-1(2018), IEC62923-2(2018)

Specifications

GPS Receiver

Receiving System: 50 channels parallel (GPS)
Rx Frequency: 1575.42 MHz
Rx Code: C/A code
Position Accuracy: Approx. 10m (GPS), 95% of the time, horizontal dilution of position (HDOP) ≤ 4
Tracking Velocity: 999 kts
Position-fixing Time: Warm start: 15 seconds, Cold start: 120 seconds
Position Update Interval: 1 second

Display

Display: 7-inch, color LCD, touchscreen operation
Fix Mode: GPS
Alerts: Lost of Position, HDOP > 4, DGPS lost

Input/Output Data

Output Data: RS422, totally 3 ports,

Baud Rate 4800/9600/19200 bps
Sentences: GNS, GBS, GGA, RMC, VTG, ZDA, DTM
INS connection: INS IN/INS OUT, RS422
Input Data: DGPS RTCM SC-104

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: IPX6, Main unit: IP22

Size

145(H) x 264(W) x 80(D) mm

Weight

abt 2 kg (main unit)

Equipment list

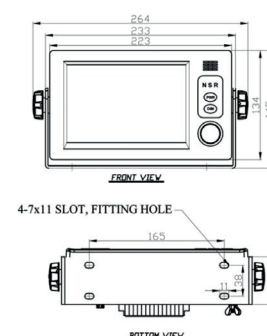
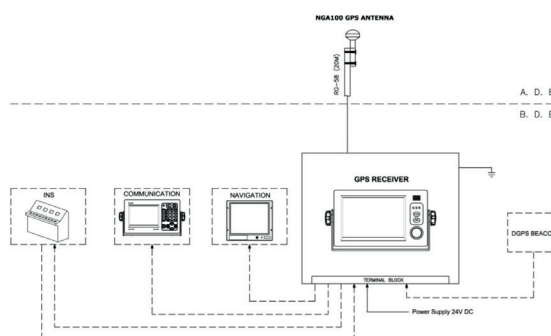
Standard

NGR-3000 Main Unit: 1 set
GPS Antenna with Cable: 1 pc
Installation Materials: 1 set

Options

DGPS Beacon: 1 set
Flush Mount Brackets: 1 set
NMEA Distribution Box: 1 set

System diagram and dimensions



Distributor



Manufacturer

New Sunrise Co., Ltd.
nsmarine.com

