

Marinelite®

High precision and stability (0.2° RMS) of heading

Satellite Compass

MODEL SC120



(Optional) 5" color LCD
Display instrument

IMO Type-approved as THD, GPS. Complying with the IEC, ISO requirements.

- Pre-type carrier phase decoding technology for more precise direction;
- Utilizes GNSS such as Beidou, GPS, and Galileo for high precision attitude;
- Advanced speed and course filtering technology to make the data more stable;
- Built-in gyro compensation system has better heading performance;
- It features fast startup, signal recapture capability, heading updates at up to 50 times per second, and the turning tracking rate up to 90°/s;
- Multi-channel standard NMEA0183 output, providing high-stability, high-precision ship heading data and positioning data for Radar, ARPA, ECDIS, AIS, Chart Plotter, Autopilot, Sonar and other marine navigation equipment;
- Excellent industrial product design, stylish appearance, easy installation;
- Maintenance free and no recurring cost as there are no mechanical parts;
- This device is not affected by water temperature or salinity; however, in complex sea conditions, precautions should be taken against strong winds and heavy rain.

Specification

General

| | |
|----------------------|--|
| Receiving frequency | GPS/GALILEO/BEIDOU/GLONASS (optional) |
| Heading accuracy | 0.2°RMS |
| Heading resolution | 0.1°,0.01°(0.01° requires contact your dealer) |
| Rate of Turn | 90°/s |
| Position fixing time | less than 2min |
| Position Accuracy | 1m |
| Attitude accuracy | Pitch/ Roll: 0.3° RMS |
| Power supply | DC11-36V |

Interface

Number of ports

| | |
|--------------------|---|
| IEC61162(NMEA0183) | IEC61162-2: 2 port, IEC61162-1: 2 port |
| AD-10 BAM/INS | 2 port, for heading output |

Data port/Alert port

| | |
|--------|---|
| Input | ACN, HBT |
| Output | ALC, ALF, ARC, HBT, HDT, RMC, ROT, THS, HCR, GBS*, GGA*, GLL*, GNS*, GRS*, GSA*, GST*, GSV*, HDG*, VTG*, ZDA*, " |

Output proprietary sentences SHR*

- Note: output the sentence with * requires contact your dealer.

Display Instrument(optional)

| | |
|--------------|-------------------|
| Screen | 5" |
| Resolution | 800*480 |
| Display mode | Compass, Nav data |

Environmental Conditions

Ambient temperature

| | |
|--------------|------------------|
| Antenna unit | -25 °C to 70 °C |
| Junction box | -15 °C to +55 °C |

Relative humidity 95% or less at +40 °C

IP protection

| | |
|--------------|------------------|
| Antenna unit | IP56 (Exposed) |
| Junction box | IP20 (Protected) |

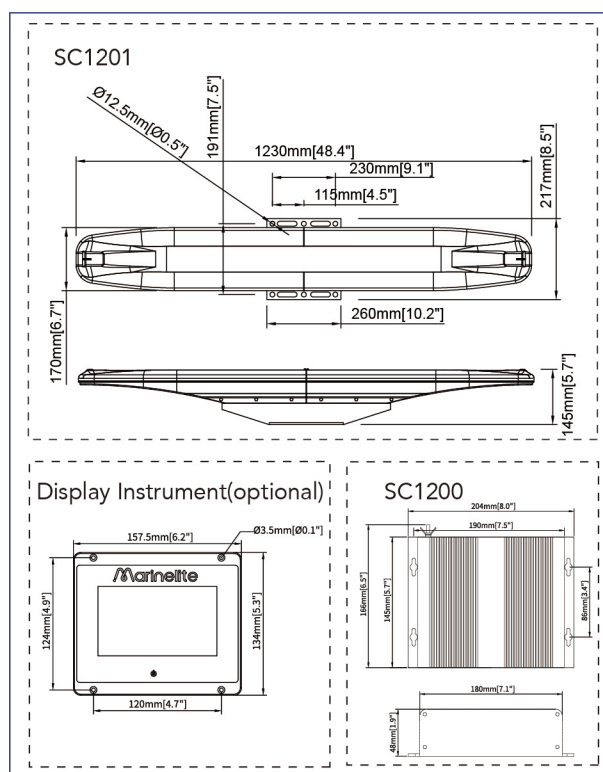
Vibration IEC 60945 Ed.4

Packing List

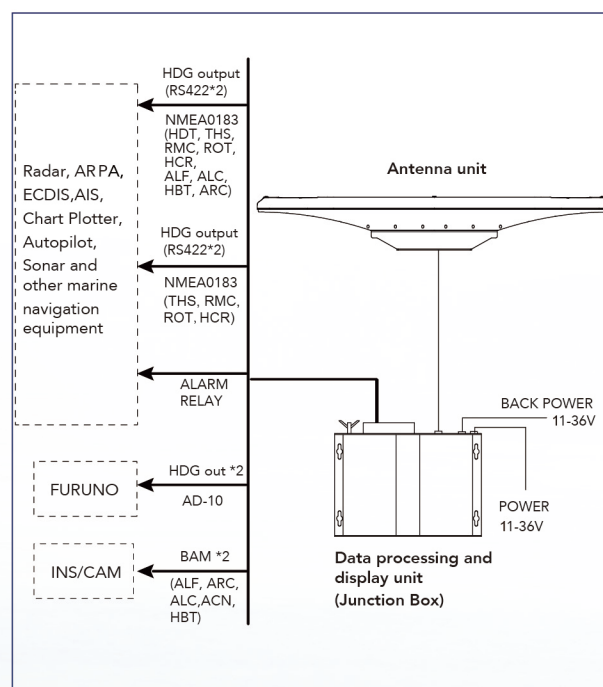
- Antenna unit With Mounting Bracket
- Junction Box
- Antenna Cable
- 8 Pin Data Cable
- 2-core Power Cord
- Fuse
- Installation Materials
- User Manual
- (optional)Display Instrument
- (optional)Cable between Display Instrument andJunction Box
- (optional)Installation Materials
- (optional)Marine Product Inspection Certificate

Dimensions

unit: mm



System configuration



Marinelite® NANTONG SAIYANG ELECTRONICS CO.,LTD.



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