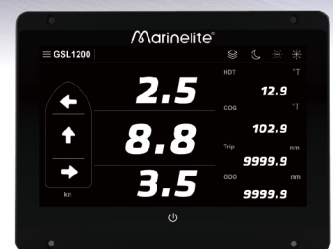


Marinelite®

Speed and Distance Measuring Equipment

Satellite SDME

MODEL **GSL1200**



7" HD touch screen
Display instrument
(Optional)



Comply with IEC 61023, SDME standards for the ships of 50,000GT and greater

- Front-loaded carrier phase decoding for more accurate direction;
- Multi-constellation system with faster orientation speed;
- Advanced speed and heading filtering technology for smoother data, and built-in gyro compensation system for better heading performance;
- Fast start-up, signal recapture, fast heading updates, high turn rates, etc.
- Scientific analysis algorithm, accurately decompose the information of transverse motion of bow and stern;
- No mechanical parts, maintenance-free, no recurring costs, simple installation;
- Multiple NMEA0183 outputs provide highly accurate and precise ship motion information for radar, plotter, autopilot, fish finder, sonar and other marine navigation equipment;
- The equipment is not affected by water temperature and salinity, and needs to be protected against windy and stormy sea conditions.

SPECIFICATIONS

General

Measurement range

Speed	-99.9 to +99.9 kn
Trip distance	0.0 to 9999.9 nm
Heading	0.0 to 359.9°

Accuracy

Speed	2.0% or 0.2 kn whichever is the greater
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Heading	GSL1200:0.2°RMS
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Roll/Pitch	0.3°RMS
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Following-up	90°/s
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Settling time	120s approx
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Power supply	11~36V
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Receiving frequency	GPS/GALILEO/BDS/GLONASS (optional)
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Interface

Number of ports

IEC61162(NMEA0183)	IEC61162-2: 2 port, IEC61162-1: 2 port
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LOG PPS	2 port
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Data port

GBS*, GGA*, GL*L, GNS*, GRS*, GSA*, GST*, GSV*, HDG*, HDT, RMC, ROT, THS*, VTG*, ZDA, VBW, VHW, VLW

Output proprietary sentences SHR*

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

Environmental Conditions

Ambient temperature

Antenna unit	-25 °C to 70 °C
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Junction box	-15 °C to +55 °C
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Relative humidity	95% or less at +40 °C
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IP protection

Antenna unit	IP56 (Exposed)
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Junction box	IP20 (Protected)
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Vibration	IEC 60945 Ed.4
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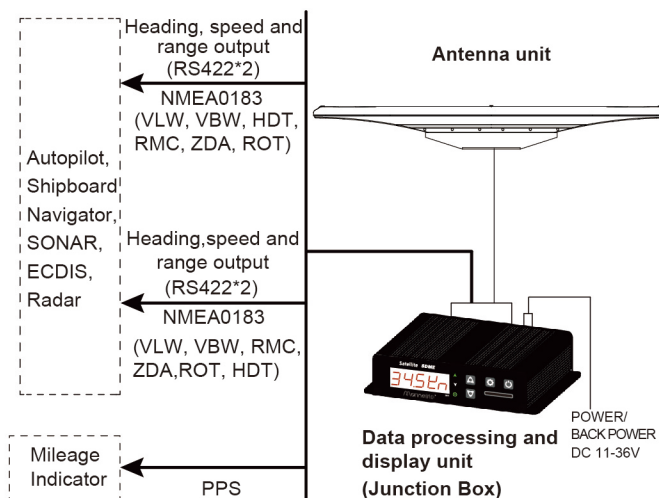
Standard Components

- Antenna unit With Mounting Bracket
- Junction Box
- Antenna Cable
- 8 Pin Data Cable
- 2-core Power Cord
- Fuse
- Installation Materials
- User Manual

Option

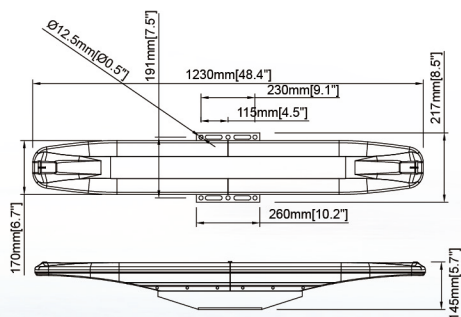
- Display Instrument
- Cable between Display Instrument and Junction Box
- Installation Materials
- Marine Product Inspection Certificate

SYSTEM DIAGRAM

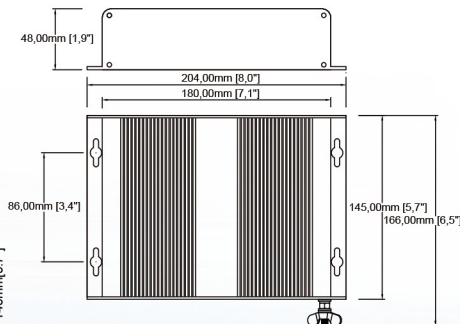


DIMENSIONS

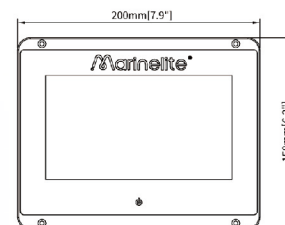
Antenna Unit GSL1201



Junction Box GSL1202



(Optional) Display Unit GSL1203



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