

Marinelite®

Speed and Distance Measuring Equipment

Satellite SDME

MODEL **GSL9000**



(Optional) 7" HD touch screen
Display instrument



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
Heading	GSL9000: 0.4°RMS
Roll/Pitch	0.3°RMS

Following-up 90°/s

Settling time 120s approx

Power supply 11~36V

Receiving frequency GPS/GALILEO/BDS/GLONASS (optional)

Interface

Number of ports

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

Data port

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

Output proprietary sentences SHR*

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

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

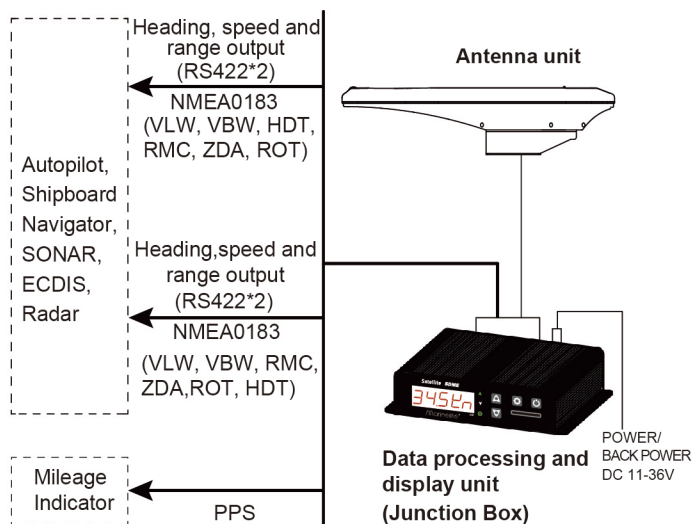
Standard Components

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

Option

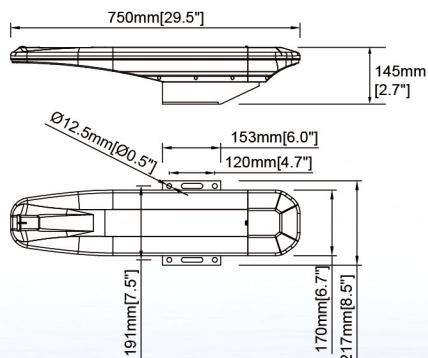
- Display Instrument
- Cable between Display Instrument and Junction Box
- Installation Materials
- Marine Product Inspection Certificate

SYSTEM DIAGRAM

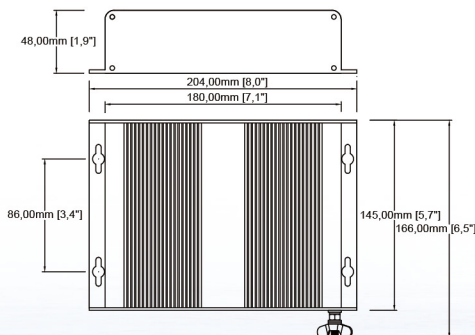


DIMENSIONS

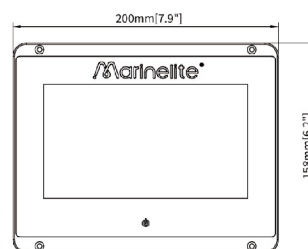
Antenna Unit GSL9001



Junction Box GSL9002



(Optional) Display Unit



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