

Marinelite®

SC9000 GNSS Compass

2m baseline accuracy can reach **0.08RMS**

NEW



- Pre-type carrier phase decoding technology, more precise orientation;
- Beidou/GPS dual-star system with faster directional speed;
- Advanced speed and course filtering technology to make the data more stable;
- Built-in gyro compensation system has better heading performance;
- It has the characteristics of fast start, signal recapture, heading update up to 50 times per second, and turning 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;
- The full-touch compass display is equipped with multiple display modes, the data is more intuitive, and the equipment is more convenient;
- Maintenance free and no recurring cost as there are no mechanical parts.

SC9000 GNSS compass

General

Baseline length	Up to 5 meters
Heading Accuracy	0.08° RMS(Baseline length 2M)
Attitude accuracy	Pitch/ Roll: 0.3° RMS
Cold start	< 2 min
Position Accuracy	2.5 m
First Positioning time	Cold start: ≤32s Hot start: ≤1s Recapture: ≤1s
Speed measurement accuracy	GPS + BDS : 0.1m/s

Interface

Number of ports	NMEA0183 data interface ×6 GNSS output ×2, fixed at 9600bps HDT output ×2, default 38400, adjustable HDT and GNSS output ×2, default 4800bps, adjustable AD-10 ×1 Display instrument ×1 CAN ×1 (preset)
Data sentences	RMC, VTG, GGA, GSA, GSV, GLL, ZDA, HDT, ROT, THS

Display unit (Optional)

Screen	5"/7"
Resolution	854*480/800*480
Display mode	Compass + data, heading mode, positioning data mode, ROT mode

Power Supply

Power Supply	11~35V
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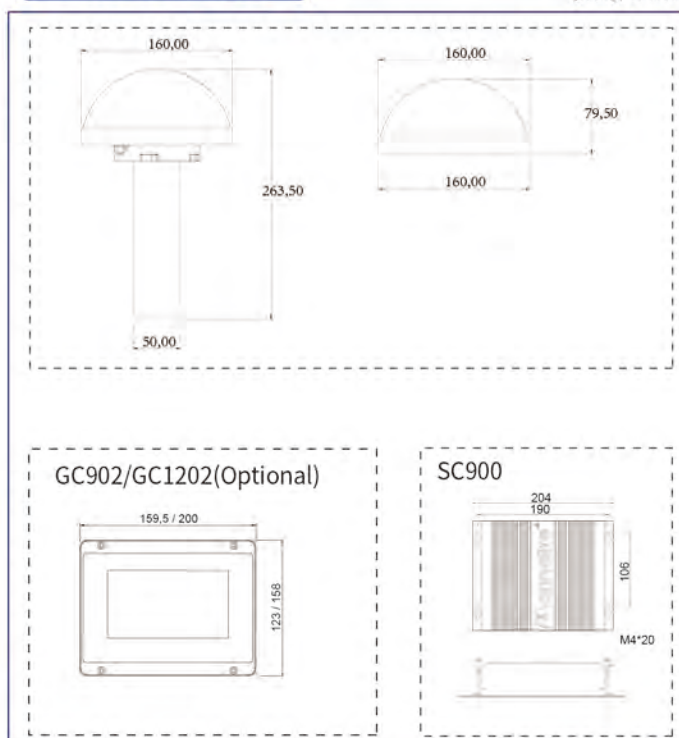
Environmental condition

Temperature	-30°C~+70°C
Degree of protection	Antenna unit IP56; Junction box IP20
Vibration	IEC60945

- Specifications may be subject to change without notice.

Dimensions

unit: mm



Interconnection diagram

