



Marinelite®

SC90 Satellite compass

High precision and stability (**0.4° RMS**) of heading



HD touch screen
Display Instrument (Optional)

- 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;
- CERTIFICATED of Marine Product by China Classification Society (CCS).

SC90 Satellite compass

Specification

General

Frequency	B1, L1, G1
Baseline length	60cm
Heading Accuracy	0.4° RMS
Attitude accuracy	Pitch/ Roll: 0.4° 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"
Resolution	854*480
Display mode	Compass + data, heading mode, positioning data mode, ROT mode

Power Supply

Power Supply	11~35V
--------------	--------

Environmental condition

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

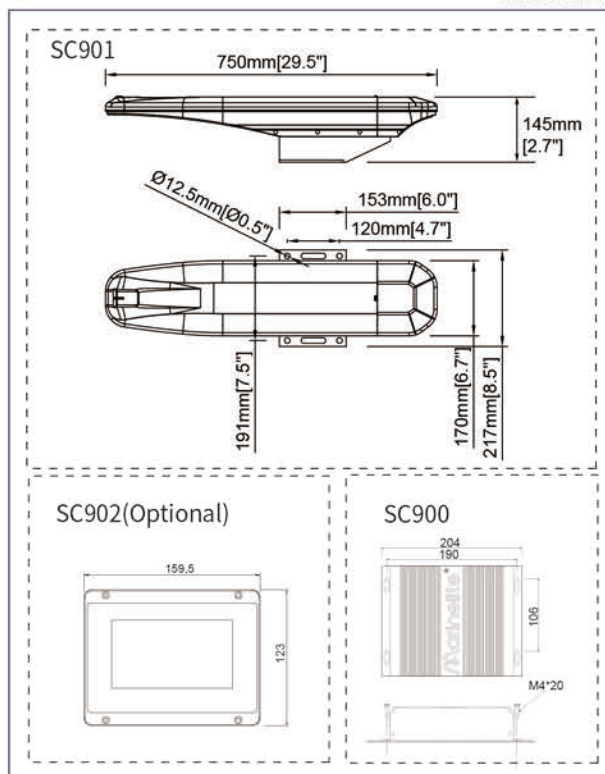
- Specifications may be subject to change without notice.

Equipment List

1 Antenna unit SC901	x 1	6 6Pin data cable(Optional)	x 1
2 Junction Box SC900	x 1	7 8Pin data cable	x 1
3 Display Unit SC902(Optional)	x 1	8 Mounting bracket	x 1
4 GNSS compass antenna data cable	x 1	9 Installation manual	x 1
5 2Pin power cable	x 1	10 Other installation accessories	x 1

Dimensions

unit: mm



Interconnection diagram

