

Marinelite®

GC20 GNSS Compass



Reliable, stability, accurate heading information

- 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 20 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;
 - Stylish appearance, easy installation;
 - Maintenance free and no recurring cost as there are no mechanical parts.
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GC20 GNSS Compass

Specification

General

Frequency	B1, L1, G1
Baseline Length	20cm
Heading Accuracy	1°RMS
Attitude Accuracy	Pitch/ Roll: 0.4° RMS
Cold Start	<2 min
Position Accuracy	2.5m
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 ×1 CAN ×1 (Preset)
Data Sentences	RMC, VTG, GGA, GSA, GSV, GLL, ZDA, HDT, ROT, THS

Power Supply

Power Supply	11~35V
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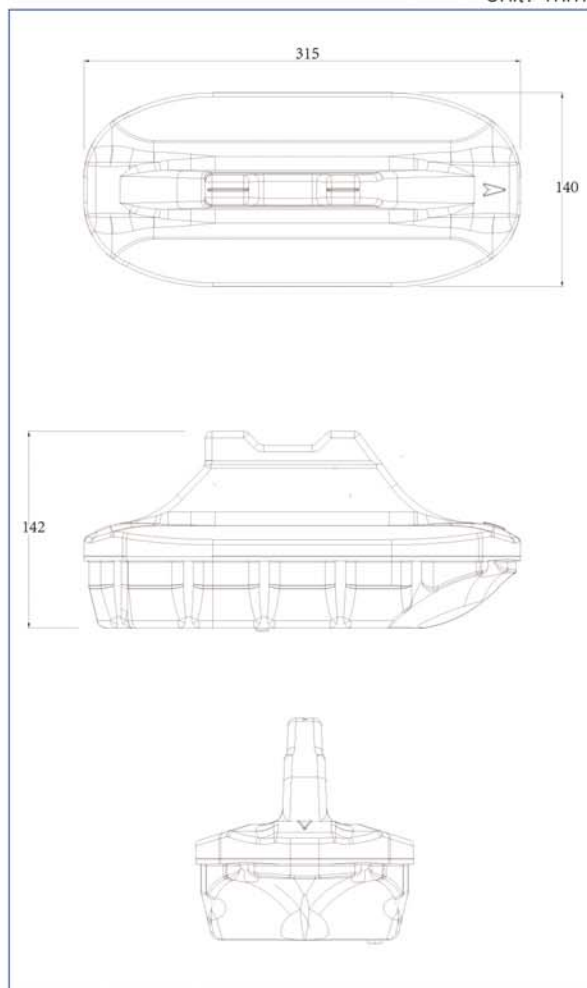
Environmental Condition

Temperature	-30°C~+70°C
Degree of Protection	Antenna unit IP56
Vibration	IEC60945

*Specifications may be subject to change without notice.

Dimensions

Unit: mm



Equipment List

1 Antenna unit GC20	x 1	3 Installation manual	x 1
2 GNSS compass antenna data & power cable	x 1	4 Other installation accessories	x 1

