

ONWA[®]

Satellite Compass **GPS, BDS, QZSS**

Model: KA-SC90 Heading Accuracy(RMS) 0.4°
KA-SC20 Heading Accuracy(RMS) 1°

KA-SC90



KA-SC20



- Pre-type carrier phase decoding technology, more precise orientation
- Beidou/GPS dual GNSS 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, ECDIIS, AIS, Chart Plotter, Autopilot, Sonar and other marine navigation equipment
- Excellent industrial product design, stylish appearance, easy installation
- Maintenance free and no recurring cost as there are no mechanical parts

SPECIFICATIONS

General

	KA-SC20	KA-SC90
Baseline length	20CM	60CM
Heading Accuracy	1°RMS	0.4°RMS
Attitude accuracy	Pitch/Roll: 0.4 RMS	
Cold start	<2min	
Position Accuracy	2.5m	
First Positioning time	Cold start : ≤32s	
	Hot start : ≤32s	
	Recapture : ≤1s	
Speed measurement accuracy	GPS + BDS : 0.1m/s	

Power Supply

11~32V

Environmental condition

Temperature	-30°C ~ +70°C
Degree of protection	IP56
Vibration	IEC60945

Interface

Number of ports	NMEA0183 data interface (RS422)X2
	1. Baudrate : 115200 (fixed) 2. Baudrate : default 4800 (adjustable)
Data sentences	RMC, VTG, GGA, GSA, GSV, GLL ZDA, GST, HDT, HDG, THS, ROT



**Satellite compass KA-SC90
is type-approved to IMO regulations**

Dimensions

