

SA-320

Marine GPS antenna with waterproof, anti-UV, anti-acidity, anti-alkalinity protection

Introduction

- Through Hole Mount / Pole Mount
- Standard Length: 10m ; Option Length: 15m/30m/60m
- Standard 6-pin Wire Cable (RS-232) ; Option: (RS-422)
- WAAS / EGNOS Accuracy: 3M
- Garmin GPS 17HVS like
- High EMI immunity
- Input power range of 9V to 34VDC
- Perfect characteristic for both of speed and course at slow speed
- Magnetic



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Declination compensation

- Protected against reverse polarity voltage
- Option accessory: smart antenna holder

Feature

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- Built-in patch antenna
- 12 parallel tracking channels
- Fast TTFF(time-to-first-fix) and low power consumption
- On-board rechargeable battery sustained Real-Time Clock and control parameters memory for fast satellite acquisition during power-up
- Automatic cold start without user reset.
- Interference filter to major VHF channels of marine radar
- WAAS compliant with EGNOS support

Specifications

General	L1 1575.42MHz, C/A code, 12-channel, Carrier-Aided with HWTrack©
Sensitivity	-143 dBm minimum
Update Rate	1Hz
Accuracy	Position : 15m CEP without S/A Velocity : 0.1 m/sec without S/A Time : 1Jgs
WAAS Accuracy	Position : 5m CEP Velocity : 0.05m/sec
Acquisition	Cold start : < 120 sec (typical) Warm start : < 45 sec (typical) Hot start : < 15 sec
Dynamics	Altitude : -1000m to 18000m Velocity : 500 m/sec Acceleration : 4g
Reacquisition	<100m second
Antenna	Built-in Patch Antenna
Operation Temperature	-30°C to +80°C
Storage Temperature	-40°C to +90°C
Operating Humidity	5% to 95% non-condensing
Protocol	EverMore at 4800/9600 baud, 8N1 NMEA-0183 v2.20 at 4800 baud
NMEA Messages	GGA, GLL, GSA, GSV, RMC, and VTG
Interface	USB RS-232(Super Mini Dim 6P cable) : Cable length 5M(standard) / 10M
Power Input	DC 5V
Input current	Maximum 150mA
Dimensions/Weight	Diameter : 83.3mm or 3.27-inch Height : 60mm or 2.36-inch Weight : 8.46oz or 240g