

# Simrad GS25 GPS Antenna - Full Specifications

## GENERAL

Receiver Type	L1, C/A code, 1.575 GHz Frequency/L2 C/A code, 1.602 GHz Frequency
Channels	32 channels
Position Update Rate	Up to 10 Hz (1,5,10)
Horizontal Accuracy	5 m
Heading Accuracy	3 degrees
Rate of Turn	3 degrees
Pitch / Roll Accuracy	@30 degrees 1 grade error
Cold Start	50 sec
Start-Up Time	3 sec
Satellite Reacquisition	5 sec

## COMMUNICATIONS

Serial Port	N/A
Baud rates	N/A
Data I/O Protocol	NMEA 2000
NMEA Sentences	
PGN Number	PGN Title
GPS related	
126992	System Time
129025	Position, RU
129026	COG & SOG RU
129029	Position Data
129539	GNS DOP
129540	GNS Satellites in view
127258	Magnetic Variation
<b>Compass Related</b>	
127250	Compass Heading (Vessel Heading)
127251	Rate of Turn
127257	Attitude

## ENVIRONMENTAL

Operating Temperature	-25°C to +60°C
Storage Temperature	-40°C to +85°C
Splash Proof	IPX6,7
Humidity	40 deg C, 93%RH, operating

## ELECTRICAL

Input Voltage	9v-18v
Reverse Polarity Protection	Yes
Power Consumption	< than 2w
Current Consumption	< 100 mA @ 12 VDC

## MECHANICAL

Dimensions	90mm (diam) x 38mm (height)
Weight	0.3 lbs approx
Power/Data Cable	NMEA 2000 thru NMEA 2000 BUS
Antenna Connector	NMEA 2000 Micro C
Mounting	Flush mount / Standar Pole Mount

## CERTIFICATION

NMEA 2000	NMEA 2000 certified (planned)
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