



When you need the best in position accuracy, rely on GARMIN differential antennas. Packaged in a waterproof housing, these receivers and antennas look great on any boat. They're easy

Precision accuracy through differential antennas

to install and require no RF grounding.

The DGPS 53 is a powerful 12-channel GPS receiver and antenna with an auto-tuning differential beacon receiver. It's perfect for integrating with chartplotters, radar and personal computers. The GBR 23 is a remote, auto-tuning differential beacon receiver with built-in H-field antenna. The GA 23 is an H-field beacon antenna with no receiver. These units give you position accuracy from one to five meters.



DGPS 53

Differential antenna specifications



GA 23

GA 23 GPS differential H-field beacon antenna

DGPS frequency: 283.5 to 325.0 kHz
Sensitivity: 10 $\mu\text{V/m}$ (200 Hz BW)
LNA gain: 35 dB min
Size: 3.6" diameter, 5.3" high
Waterproof: IEC-529, IPX7
 (submersible to 1 m for 30 minutes)
Cable length: 10 m RG58AU
Cable connector: BNC
Supply voltage: 4.5 VDC to 12 VDC
Supply current: 45 mA at 5 VDC



GBR 23

GBR 23 GPS differential beacon receiver with integrated H-field antenna

DGPS frequency: 283.5 to 325.0 kHz
Data rates: 200/100/50/25 BPS
Sensitivity: 10 $\mu\text{V/m}$ at 200 Hz BW
Size: 4.6" diameter, 5.3" high
Waterproof: IEC-529, IPX7 (-1 m for 30 minutes)
Tuning: Automatic with manual override
Input commands: Binary, \$PSLIB, \$-MSK at 4800 baud
Output data: RTCM SC-104 (6 of 8 bit format) at 4800 baud
Interface connector: 7-pin bayonet latch at receiver
Cable options: 30' 7-conductor standard, 60' optional
Supply voltage: 8 to 35 VDC
Supply current: 95 mA at 12 VDC



DGPS 53

DGPS 53 integrated GPS and DGPS receivers and antennas

GPS frequency: 1575.42 MHz
GPS sensitivity: -135 dBm relative to 0 dBi RHCP antenna
Beacon receiver: Same as GBR 23 (no outside interface)
Size: 4.6" diameter, 5.3" high
Waterproof: IEC-529, IPX7 (-1m for 30 minutes)
Input commands: NMEA 2.0 or 2.3, 300 BPS to 19.2 kBPS RS232
Output data: NMEA 2.0 or 2.3, 300 BPS to 19.2 kBPS 5 V CMOS
Accuracy: 5 m (95% HPE) within 300 km of beacon
Interface connector: 7-pin bayonet latch at receiver
Cable options: 30' 7-conductor standard, 60' optional
Supply voltage: 8 to 35 VDC
Supply current: 150 mA at 12 VDC

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Specifications are preliminary and subject to change without notice.

* When used with a GARMIN 12-channel GPS receiver.