



GPS RECEIVER

The SOSI Series GPSR-X015G Satellite Differential GPS Receivers are designed for use with deep diving AUVs, buoys or other autonomous systems that are required to operate at depth—but periodically surface to determine position and reset their navigation system. These receivers and antennas are designed to receive GPS satellite data only while on the surface, but can survive routine submergence to depth. The GPSR- X015G is available in depth ratings of 3000 or 6000 meters. The rugged 12 channel GPS engine is compatible with WAAS, EGNOS, JCAB and RTCM SC-104 Differential Correction Systems.

MECHANICAL SPECIFICATIONS

- Depth Rating: 3,000m or 6,000m
- Weight: 20 oz. (air)
- Weight: 8 oz. (seawater)
- Height: 3.25 in.
- Material: 6061 AL, Glass
- Finish: Hard coat anodize
- Connector: AWM-6-BCR-GRE
- Interface: RS232

TECHNICAL SPECIFICATIONS

- GPS Standard Positioning Service
 - Position: <15m, 95% typical
 - Velocity: 0.1kt RMS steady state
- DGPS (WAAS)
 - Position: <3m, 95% typical
 - Velocity: 0.1kt RMS steady state
- PPS Time: +/- 1 microsecond
- Operating Temp: -30 to +80oC
- Storage Temp: -40 to +80oC
- Geodetic Datum: 108 predefined, 1 user

