

Subsea (submersible 1500 m) GNSS antenna

Application:

GNSS antenna provides precise positioning and timing solutions for your asset: AUV, ROV, ASV/USV, drone, RC, etc.

Proven design guarantees the GNSS antenna to survive at depth 1500 m (2133 psi) and reacquire fix when surfaced. It does use active quadrifilar helix antenna for GIS, RTK and other GNSS applications.

Concurrent reception on:

- L1: GPS, GLONASS, Galileo, Beidou
- L2: GPS L2C, Galileo E5B, GLONASS L30C
- L5: GPS the most advanced GNSS signal

Features:

- Active module;
- Waterproof for **subsea** and **outdoor**/indoor use, range of subsea connectors available;
- Sleek design, easy maintenance, replace and upgrade;
- Antenna module encapsulated in pressure housing of Delrin;
- Open Face Pressure tolerant connectors available.

Characteristics:

Work depth: 0-1500 m (4921 ft)

Housing material: Delrin

Frequencies:

- 1559-1606 MHz (L1, E1, B1, B1-2, G1)
- 1192-1231 MHz (L2, B2, G2, G3, E5B)
- 1164-1189 MHz (L5)

Power: 3 to 5 VDC, 25 mA

Impedance: 50 Ohm

Subsea connectors (stainless steel):

- 105-50-BCR-01-1000 (Scorpion Oceanics)
- SURF058-BCR (STS Subsea)
- HF50CXBHF or HF50CXBHM (Subconn)
- CRA2154 (Ametek)

Subsea PUR coaxial cable 50 Ohm: by request

Dimensions (w/o connectors):

- Length: 139 mm, OD: 54 mm

Weight:

- in air: 400 gr
- in fresh water: ~100 gr

Operating Temperature Range: -40 to +105°C



Subsea GNSS antenna on Subconn connector



Subsea GNSS antenna kit

AP Subsea Inc.

Email: sales@apsubsea.com

support@apsubsea.com

Web: <https://www.apsubsea.com>

Phone: +1 604 363 38 62

Office address:

302-11295, Pazarena Place, Maple Ridge, BC,
Canada V2X 4K9