

POSEIDON ACCESSORIES



Poseidon is a multi-frequency subsea GNSS antenna that is designed for use on underwater vehicles that require the ability to obtain a GNSS fix when surfaced.

The antenna is also suitable for marine vessels that are exposed to harsh conditions that are too extreme for a normal GPS antenna.

The antenna is capable of receiving L-Band corrections to provide accurate positioning at sea.

The antenna is lightweight, compact, corrosion resistant and able to withstand depths of up to 3000 metres.



3000m DEPTH RATING

Poseidon is rated for depths of up to 3000 metres, allowing it to be permanently mounted on deep diving subsea vehicles.



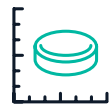
MULTI-CONSTELLATION

Poseidon supports all of the current and future satellite navigation systems including GPS L1/L2, GLONASS G1/G2, GALILEO E1/E5, BeiDou B1/B2 and L-Band correction services.



HIGH PERFORMANCE

Poseidon features a cutting edge RF design, allowing it to achieve high positioning performance under difficult sea conditions. It is able to reject high levels of interference and multipath.



COMPACT DESIGN

Poseidon is one of the smallest, depth rated GNSS antennas on the market, featuring an integrated, compact and lightweight design.

SPECIFICATIONS

ANTENNA

Supported Navigation Systems	GPS L1/L2/L5 GLONASS G1/G2/G3 GALILEO E1/E5 BeiDou B1/B2 L-Band corrections
Supported SBAS Systems	WAAS EGNOS MSAS GAGAN QZSS
Antenna Element Gain	4 dBiC
Polarisation	Right Hand Circular Polarisation
LNA Gain	28 dB
Out-of-band Rejection	< 1050 MHz : > 45 dB < 1125 MHz : > 30 dB > 1350 MHz : > 45 dB < 1450 MHz : > 30 dB > 1690 MHz : > 30 dB > 1730 MHz : > 40 dB
Noise	< 2 dB
Operating Voltage	2.5 to 16 V DC
Current Consumption	20 mA (typical) 25 mA (maximum)
ESD Protection	15 kV air discharge

HADWARE

Dimensions	67 mm diameter x 23 mm
Cable Length	3 m
Operating Temperature	-40 °C to 85 °C
Weight	320 grams
Housing Material	316 Stainless Steel
RoHS Compliant	Yes
Shock	Vertical 50 g Horizontal 30 g
Maximum Pressure Rating	300 bar (3000 m)

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