



SUB GPS ANTENNA

The SOSI SubGPS/I combination submersible antenna is designed for use as an OEM antenna with customer furnished GPS receivers and Iridium satellite transceivers. The antenna is perfectly suited for subsurface buoys, towed bodies and AUVs that operate at depth, but periodically surface to determine position, reset navigation, download data, send and receive mission updates or call home with position for recovery. The antenna is built to withstand subsea use, fully encapsulated, neutral in buoyancy, hydro-dynamically shaped and pressure tested to 1500m. The antenna's 2-way Iridium communication allows data transfer and remote control and command for your vehicle while simultaneously providing GPS positioning on any ocean surface.

MECHANICAL SPECIFICATIONS

Dimensions	~1"Ø x 9" as shown
Weight (air)	6.5 oz.
Weight (sea water)	0 oz. Depth rating 1300m
Cable	RG-58 coax, polyurethane
Jacket	72" standard length
Connector	D.G. O'Brien Series 110 glass sealed, 50 Ohm impedance matched
Pressure test	2250 psi (1500m)
Material	Polyurethane

TECHNICAL SPECIFICATIONS

- RF Switch:
DowKey Microwave
P/N 401-410802A
- Gain (Antenna):
+2.0 dBic, RHCP @ 75° elevation
-10 dBic, RHCP @ 0° elevation

