

*Innovative and cost-effective
remote sensing solutions.*



OTR-300 Drifter Buoy

The low profile 300 buoy series from Ocean Trek Research is a rugged and extensible buoy design, available with a number of standard or customizable sensor configurations. The 300 series uses the Inmarsat satellite network for bi-directional communications. The end-user interacts with the buoy via a personal and secure web page; where buoy data can be viewed on an interactive map and a series of commands can be sent to the buoy (e.g. alter the reporting frequency, poll for position, turn a sensor or light on . . .) Both internal and external sensors can be accommodated.

Features

- High Accuracy GPS Positioning
- INMARSAT D+ Satellite Network
- Internal Sea Surface Temperature probe
- Bi-directional Communications
- Alkaline or Lithium Batteries
- Fully Integrated with Custom Web-based Mapping Software
- High Intensity Recovery Beacon
- Standby, Operational and Recovery modes
- Magnetic Power Switch

Options

- External Sea-Bird 39 Temperature Recorder
- Global Water Turbidity Sensor
- Tether Attachment (bridle line affixed to the buoy)
- Wet-matable Connector for Exterior Sensor Communications
- Customize Your Sensor Package Working with our Experienced Engineers

Specifications

Physical:

- 259.1 mm (10.2 in) total height
- 396.9 mm (15.6 in) width (top)
- 5.1 kg (11.25 lbs) positive buoyancy in sea water
- 10.47 kg (23.1 lb) in air
- Pressure resistant to 15 meters depth

Electronics:

- INMARSAT D+ Sat 202 satellite modem
- GPS 50 channel <1sec hot/29 sec cold acquisition
- Operating temperature -40 to 70 C
- Private, digitally encoded data burst signals
- Programmable
- Internal SST thermistor
- Fully integrated with custom on-line mapping software

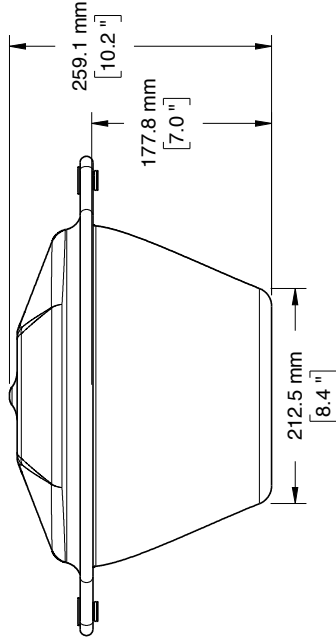
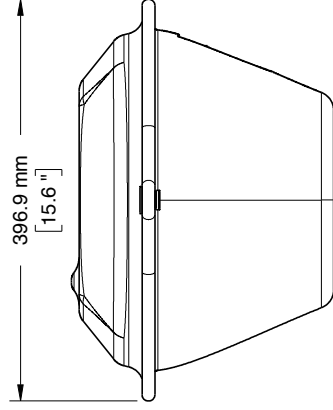
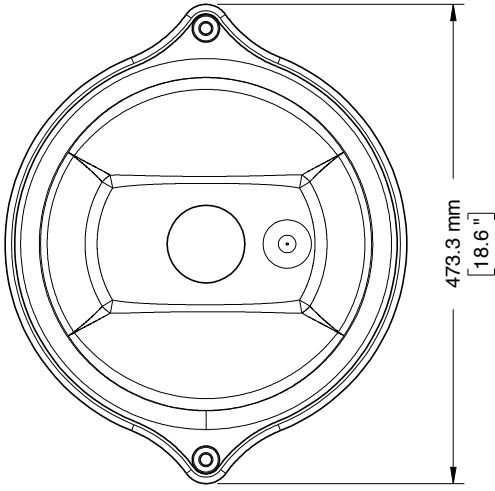
ocean trek research™




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		DRAWN	Tim Veenstra	DATE	15 Jan 2011	OTR-300 Buoy			
		CHECKED				Basic buoy configuration w/ wet-matable connector, Inmarsat SAT-202 modem			
4338 N Gunflint Trail Wasilla, AK 99623 www.atiak.com		MFG	ATI			SIZE	FSCM NO.	DWG NO.	REV
		APPROVED	TV			A			
				SCALE	1:7			SHEET	