Farallon Smart Buoy System™ User Manual

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Blue Ocean Gear, Inc.
Proprietary

Blue Ocean Gear

**WARNING: Do not attempt to open the buoy. Removing the clamp between the two halves of the buoy will compromise the integrity of the water-tight seal and the product's warranty.*

Do not remove or tamper with the Vacuum, Temperature, or Saltwater Screws. Tampering with these screws will result in a compromised buoy.

Diagram: Farallon Smart Buoy, Rev D

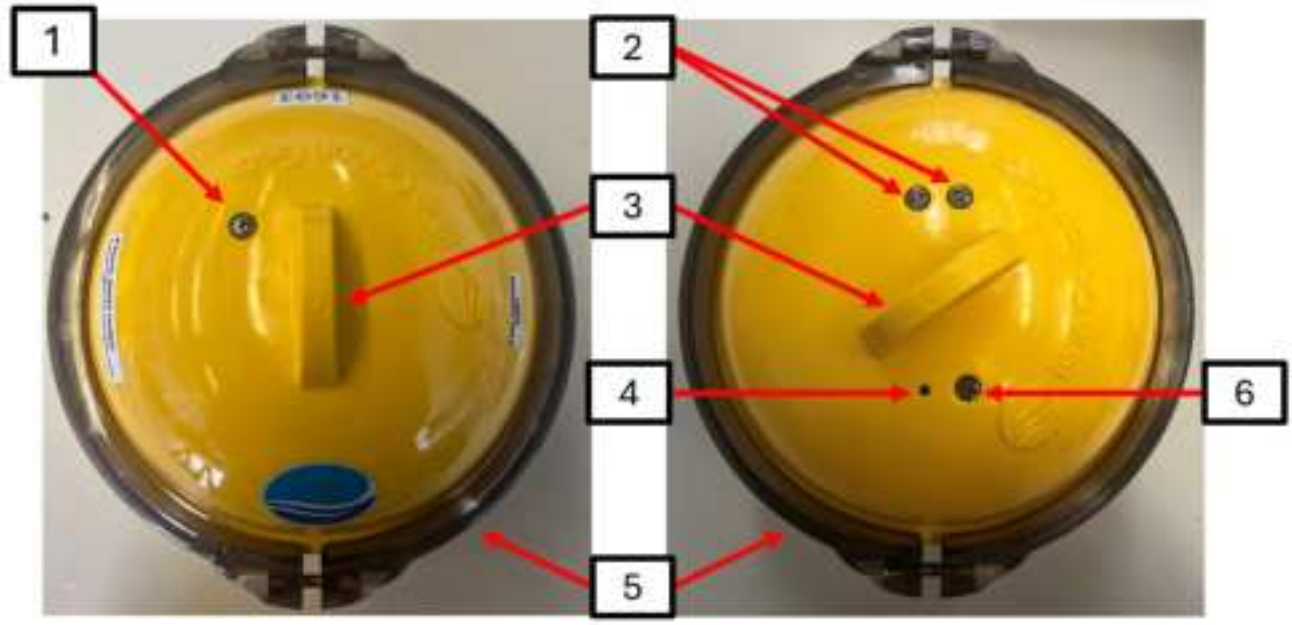

Figure 1: Left - Top-side of the Buoy, Right - Bottom-side of Buoy.

Smart Buoy Features

Item	*Buoy Feature*
1	Vacuum Port
2	Saltwater Sensors
3	Attachment Ring(s)
4	Depth Sensor
5	Marine seal covering (clamp seal)
6	Temperature Sensor

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Smart Buoy Introduction

1 Farallon Smart Buoy Care & Storage

Controlled storage of Smart Buoys is recommended prior to deployment and also during storage over 1 month. Storage conditions of average, indoor temperature conditions is preferred for storing buoys. Charge batteries before storage and before re-deployment. Best practice is to charge every 4 months in storage because the battery wakes up every 15minutes to check if it's in the water.

Low temperatures outside may discharge the battery prematurely.

2 Farallon Smart Buoy Deployment

2.1 Buoy to Gear Attachment

The Smart Buoy should be attached as **kicker (trailer) buoy** to the main buoy of the gear using **2-3 meters of 5/16" line.** Tie off the line with your preferred knot to ensure secure attachment (see figures below).

- ✓ The line should be threaded through **BOTH bottom and top attachment rings, with the knot positioned to the lower edge of the clamp,** see image below. This ensures the buoy floats upright in the current.
- ! Do NOT attach to one attachment ring only. Attaching to only one point on the buoy will cause the buoy to tip off-center while deployed, reducing optimal sensor and communication capability.
- ✓ A loop and spliced line through each ring and knotted together is sufficient (opposed to running line around the full circumference of the buoy), but this is not recommended as it may put undue stress on the buoy when deployed.

Figure 2: Correct Knot Placement