

Signature buoy



The Signature buoy makes life easier for those working with the Signature250 and Signature500 ADCPs in the field. It is constructed from two identical halves, with internal pockets to fit the Signature250/500 and either a single or double battery canister. Just four bolts are needed to hold the two halves together, and no screws or bolts are needed to keep the instrument and battery canister in place inside the buoy. The bottom part has a removable anchor plate with an arrangement that makes it very easy to attach the mooring rope.

The buoy is cylindrical with a slight conical shape. This means that the buoy will maintain a vertical orientation, even when exposed to strong currents and wave action, which is vital for good data.

The Signature buoy has a maximum diameter of 480 mm and the overall length is 1150 mm. Net buoyancy with a double battery canister is 63 kg and 68 kg for the Signature250 and 500 respectively. There are no magnetic parts in the buoy, and this means that it will not affect the Signature's compass.

Highlights

- Buoy maintains a vertical orientation even when exposed to strong currents and wave action
- Comes with internal pockets to fit the Signature250/500 and either a single or double battery canister
- Maximum diameter of 480 mm, overall length is 1150 mm

Technical specifications

Signature buoy

→ Materials

Buoy	Polyethylene (PE) skin and PU foam
Hardware	316 stainless steel and POM
Rope loop(s)	Dyneema SK78

→ Weight

In air	34 kg
In water	71 kg buoyancy
Rope loop(s)	Dyneema SK78

→ Depth rating

Depth rating	100 m
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→ Dimensions

Length	1150 mm
Max OD	480 mm