

# INSTRUMENT LOCATOR SYSTEM

Efficient recoveries begin with the ability to locate the deployed equipment quickly, even in unfavorable weather conditions. Unfortunately, weather and sea state can make recovering equipment at sea a challenge. Typical recovery operations utilize radio beacons, flashers, and flags. While all these aids may be helpful, weather conditions can still make them hard to find.

The Instrument Locator System is a low-cost, easy-to-implement, stand-alone unit for recovering deployed equipment or instrumentation at sea. The system can be attached to any floating equipment.

Once at the surface, the system sends GPS coordinates to a laptop/base station aboard the vessel within a minute. The laptop displays a graphic of the ship, the current position of the instrument to be recovered with latitude/longitude, and breadcrumbs to show the effects of local currents. The display instantly shows the distance the instrument is from the ship and its relative bearing. The recovery vessel can begin maneuvering towards the instrument to recover it before it is in sight.

The system requires no subscription for satellite connections but instead uses a non-licensed radio band with unlimited use.



Instrument Locator configured for 6000m OBS deployment

**< 1 Minute**  
Transmission  
(once surfaced)

**9 Hour**  
Run Time

**6 km**  
Tested Range

**11 inches**  
Length