



**ASL** Environmental  
Sciences

## Augment Functionality of the CTD or Rosette Sampler Through the Addition of a Compact Scientific Echosounder

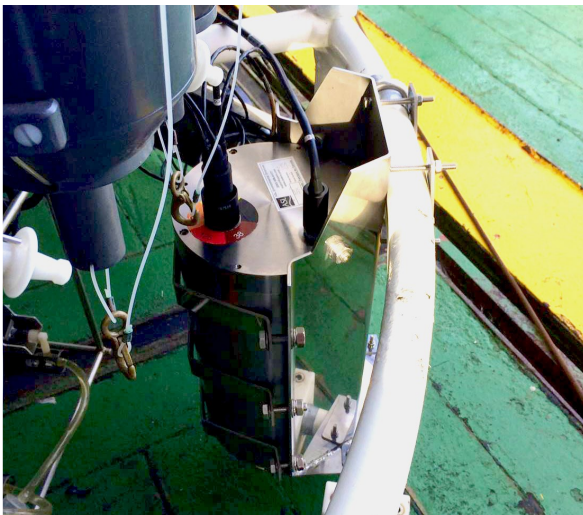
Oceanographic cruises typically include many stations where vertical transects with CTD or rosette samplers are conducted. A multiple-frequency scientific echosounder can be added to the equipment without affecting the data collection. The proposed echosounder can collect valuable bioacoustic data that cannot normally be collected from the surface with ship-borne equipment.

### Features:

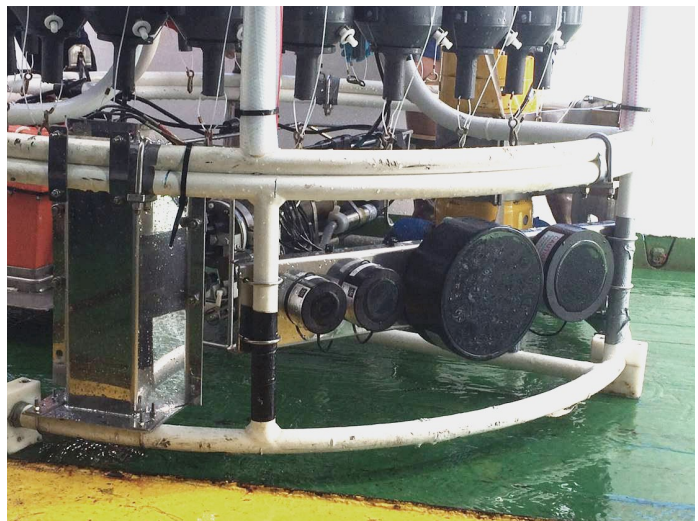
- Based on ASL's Acoustic Zooplankton and Fish Profiler (see separate AZFP brochure)
- 1 to 4 calibrated acoustic channels (Choose from 38, 67.5, 125, 200, 333, 455, 769, 1200, 2000 kHz)
- Autonomous (24 hours) operation on a small rechargeable battery and internal memory
- Automatic "Go" and "Pause" commands based on the internal pressure sensor reading when in and out of the water
- 600m, 1000m or 6,000m maximum working depth.

### Options:

- Pressure sensor
- 10 m communications cable to control the instrument while on deck.



6,000m AZFP pressure case measuring 200mm diam. x 400mm long mounted on a rosette sampler.



Acoustic transducers (l. to r.) 200, 125, 70 and 38 kHz.



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