



# LEASE OCEANOGRAPHIC EQUIPMENT

Please contact us for rates and availability

<b>INSTRUMENT</b>
<b>RECORDING CURRENT METERS</b>
<b>Single Point Current Meters</b>
<a href="#">Nortek Aquadopp</a> , 2 MHz 3D Doppler current meter, with temperature & pressure (0-200 m). 2 MB memory. With stainless mooring cage, swivel and vane.
<a href="#">Nortek 10 MHz 3D Vectrino</a> , measures flow in small volume, at rates up to 25 Hz. Real-time only via 50 m cable. Upgradeable for turbulence measurements.
<b>Profiling Current Meters</b>
<a href="#">TELEDYNE RDI 75 kHz 'LongRanger' ADCP</a> ; 2000 m pressure sensor; 4 alkaline battery packs; typical profile range to 500-600 m. Both DR and SC cases.
<a href="#">TELEDYNE RDI 150 kHz WH Sentinel 'Quartermaster' ADCP</a> either moored or vessel-mounted (BT/Transect); 2000 m pressure sensor; 4 alkaline battery packs; typical profile range to 200-350 m.
<a href="#">TELEDYNE RDI 300 kHz WH Sentinel ADCP</a> either moored or vessel-mounted (Transect); typical profile range to 100 m, bottom-track to 200 m; directional wave capable.
<a href="#">TELEDYNE RDI 600 kHz WH Sentinel ADCP</a> either moored or vessel-mounted (BT/Transect); typical profile range to 50 m, bottom-track to 100 m; directional wave capable.
<a href="#">TELEDYNE RDI 1200 kHz WH Sentinel ADCP "ZedHed"</a> (very small blanking, and bins as small as 1cm) with Mode 11. Either moored or vessel-mounted (BT/Transect) mode; typical profile range 20 m, bottom-track to 30 m; directional wave capable.
<a href="#">TELEDYNE RDI V50 Sentinel ADCP</a> . Typical profile range 50 m; directional wave capable. 5 beams. 500 watt hour battery pack. <a href="#">(photo)</a>
<a href="#">TELEDYNE RDI 2000 kHz StreamPro ADCP</a> With boat/float, compass, Bluetooth wireless, extended 6 m profiling range, WinRiverII & Section-by-Section software.
<a href="#">TELEDYNE RDI RiverRay ADCP (600 kHz phased array)</a> . For Transects in 0.4-40 m water depths. Upgraded compass. Garmin 17xHVS GPS w/ WAAS ( $\pm 3m$ ). Comes with trimaran boat and Software.
<b>Ancillary Equipment</b>
<b>External Battery case for TELEDYNE RDI ADCP</b> (includes two WH battery packs & Y-cable).
<b>External Battery Case for TELEDYNE RDI Sentinel V ADCP</b> (includes two WH battery packs & cable).

<b>Ancillary Equipment (continued)</b>
<b>External Battery with housing for TELEDYNE RDI ADCP LongRanger or QM</b> (includes four battery packs & Ycable).
<a href="#">Mooring cage for ADCP or Ice Profiling Sonar (Dual cage)</a> . Holds up to 8 Viny floats. Syntactic floats available for deep water applications.
<b>External Battery for Nortek ADCP</b> (540 W-Hr).
<a href="#">Gimbaled Bottom Mount</a> for ADCP, etc (ASL-GBM).
<a href="#">MSI Gimbaled Tripod</a> for ADCPs.
<a href="#">Non-gimbaled Bottom Mount</a> (3 ft)(for ADCP, etc).
<a href="#">Non-gimbaled Bottom Mount</a> (5 ft 'LowPro5')(for ADCP, etc).
<b>Non-gimbaled Bottom Mount (7'x9' ft)</b> ; for ADCP, IPS, with space for MSI release activated pop-up (not included).
<b>Aluminum Bracket/Mast</b> (boat mount for use with Direct-Reading mode ADCP).
<b>25 m ADCP cable</b> w/ 48 VDC power supply for real-time.
<b>100 m ADCP cable</b> w/ RS422-RS232 converter and 48 VDC power supply for real-time.
<b>WAVE &amp; TIDE GAUGES (Non ADCP)</b>
<a href="#">SOFAR Spotter Buoy</a> . Real-time directional wave measurements.
<a href="#">ASL 420 kHz Wave Sonar</a> ; 150 m range. Uses acoustic range to surface for direct measurement of water level/wave height. 2-month battery pack included.
<a href="#">RBR Ltd. Virtuoso Wave &amp; Tide gauge</a> , large battery capacity, 1-6 Hz sampling, 25 m range.
<b>RBR Ltd. XR-420TG Tide gauge</b> , 90 m working depth. Averaging for wave removal. Comes with temperature sensor.
<b>RBR Ltd. TGR-1050P Tide gauge</b> , 20 or 50 m working depth. Averaging.
<b>RBR Ltd. DR-1050 Submersible pressure gauge</b> ; 0-90 m range. [no averaging]
<b>ACOUSTIC RELEASES &amp; DECK BOXES</b>
<a href="#">EdgeTech Model AMD200R acoustic deck unit</a> for use with all LF Edgetech releases (CART, PORT, SPORT & 8242XS); range & orientation capable.
<a href="#">EdgeTech PACS LF acoustic deck unit</a> for use with all LF Edgetech releases (CART, PORT, SPORT & 8242XS acoustic releases). 20 m cable.
<a href="#">EdgeTech Model 8011M acoustic deck unit</a> for use with all LF Edgetech releases (CART, PORT, SPORT & 8242XS), range & orientation capable.
<a href="#">EdgeTech CART LF acoustic releases</a> can be used in tandem. Requires AMD200R, PACS or 8011 deck box.
<a href="#">EdgeTech PORT LF acoustic release</a> can be used in tandem. Requires AMD200R, PACS or 8011 deck box.
<b>EdgeTech SPORT LF acoustic release activated pop-up buoy</b> . Requires AMD200R, PACS or 8011 deck box.
<a href="#">EdgeTech Tandem assembly</a> for PORT or CART releases.
<a href="#">Pop-up rope canister &amp; Viny float</a> for EdgeTech acoustic release. Various rope lengths available.
<b>ACOUSTIC PINGERS, TRANSPONDERS &amp; DECK BOXES</b>
<b>Benthos/Datasonics acoustic transponder</b> , UAT-376EL.
<a href="#">Benthos/Datasonics transponder interrogator</a> DRI-267A; provides range & bearing; diver or surface readout (via cable to ACU-266 or Pocket PC - extra)
<b>Benthos</b> transponder receiver deck box <b>ACU-266</b>

<b>ACOUSTIC PINGERS, TRANSPONDERS &amp; DECK BOXES (continued)</b>
<a href="#">Benthos acoustic pinger ALP364A/EL</a> , 27 kHz, 0.125W.
<b>Benthos acoustic pinger ALP364A/EL</b> , 37 kHz, 0.125W
<a href="#">Benthos pinger receiver DPL-275XS</a> for surface or diver use. 5-80 kHz range.
<a href="#">JW Fishers SFP1 acoustic pingers</a> . 32 kHz
<a href="#">RJE Int'l PRS-275 pinger receiver</a> for surface or diver use. 5-80 kHz range.
<a href="#">Sonotronics ManTrack pinger receiver</a> with omni- and directional-hydrophones. 27-100 kHz.
<a href="#">Oceanetics Measurement Ltd. pinger receiver</a> . 27, 37 & 45 kHz settings. Omni-directional hydrophone.
<a href="#">Sonotronics EMT03AR Tilt-Pingers</a> , 37kHz; ping rate switches from 1- to 2-Hz when tilt exceeds 15 degrees. Requires pinger receiver.
<b>WATER QUALITY (Temperature, Salinity, Pressure, Dissolved Oxygen, Turbidity, Chlorophyll)</b>
<b>RBR Ltd. Concerto CTD</b> . Light and compact.
<b>RBR Ltd. Concerto CTD+Tu</b> . (740 m max) With Seapoint turbidity sensor. Fast, 6 Hz.
<b>RBR Ltd. Concerto CTD w/ Paros Pressure (700 m)</b> .
<b>RBR Ltd. Concerto CTD+Rinko</b> DO. Fast thermistor; 6 Hz sampling.
<b>RBR Ltd. Concerto CTD</b> . Fast 6Hz; Twist On/Off; Wi-Fi
<a href="#">RBR Ltd. XR-420 CTD</a> . Light and compact.
<b>Plastic cage for RBR CTD's</b> (no effect on inductive C-cell)
<b>RBR TR1050P Temperature Loggers</b> .
<b>RBR SOLO-T Temperature Loggers</b> .
<b>SeaBird 37SM(P) CTD</b> . Pumped.
<a href="#">JFE Advantech Alec Compact CLW-USB logger</a> , w/ Chlorophyll, turbidity & temperature. (250 m max) With wiper.
<b>JFE Advantech Alec AROW2-USB Rinko DO logger</b> , w/ temperature. With wiper.
<a href="#">ANB Sensor calibration-free, solid-state, multi-parameter pH</a> , conductivity and temperature sensor
<a href="#">AML-6 CTD multi-parameter sonde</a> 500m. Six port logging instrument includes temperature, conductivity/salinity, pressure, turbidity, dissolved oxygen, chlorophyll (A+B).
<b>SONAR (Scanning, Ice Profiling)</b>
<a href="#">ASL Ice Profiling Sonar IPS-5</a> . 420 kHz, measures ice draft at 1-2 Hz sampling for periods up to 9 months.
<a href="#">ASL Shallow Water Ice Profiler SWIPS</a> . Internal battery. Typically 20 m range.
<b>ASL Acoustic Zooplankton Fish Profiler AZFP</b> . Four frequency: 67-125-200-455 kHz.
<a href="#">ASL Acoustic Zooplankton Fish Profiler AZFP with frame</a> . Four frequency: 67.5-125-200-455 kHz.
<a href="#">Imagenex 881A scanning sonar</a> ; real time via 15 m cable, or with custom IRIS data logger (below). Variable frequency (310 kHz to 1 MHz) and gain settings. Switchable RS232 or RS485 (for ROV's).
<a href="#">ASL IRIS Data Logger for Imagenex 881A Sonar (above)</a> . Stores files in raw Imagenex format. Operating software allows multiple/burst scans.

## SUBSURFACE FLOTATION, MARKER BUOYS

[OpenSeas SubsA2](#) (low-drag torpedo w/ two 12B3 Viny floats). Standard configuration to hold TRDI WH ADCP.

**OpenSeas SubsB3** (low-drag torpedo w/ three 12B3 Viny floats).

[MSI Ellipsoid Buoy EB-F-P5 for WH ADCP](#). Low drag. Holds WH ADCP.

**Nautilus Vitronex 17" Glass Float**, with hardhat & Eddy Grip; 57 lb net buoyancy, 6700 m.

**Benthos 17" Glass Float** w/hardhat, 48 lb buoyancy, 6700 m.

[Viny Float. 12B3](#), 20 kg buoyancy, 200 m.

[Flotation Technologies M40](#). For ADCP. Syntactic foam, 1500 m rated, 418 lb net buoyancy.

[Flotation Technologies CF-12HD](#) bolt-on cable float. Syntactic foam, 1500 m rated, 6 lb net buoyancy.

[Mesemar PBM15-1 Polyethylene surface buoy; 1.5 m diameter](#)

## NAVIGATION, GPS, ECHOSOUNDER

[Garmin 525S GPS](#) with dual frequency echo sounder (50, 200 kHz). GPS is WAAS enabled for differential corrections. Serial output of lat, long and depth.

[Furuno satellite compass SC-30](#). Great for the arctic or anywhere a regular compass is unreliable. NMEA output. With RD33 digital display.

## SATELLITE BEACONS, VHF & FLASHERS

**XEOS Kilo Iridium beacon**. (satellite usage costs extra)

**XEOS XMi-11k Iridium beacon**. 11,000 m rated. (satellite usage costs extra)

[Metocean Data Systems RF700C6 RF Beacons](#). RF transmission and flashing light when on surface.

[DF500N hand-held direction finding receiver](#).

## WEATHER STATIONS

[Hobo Weather Station](#). Air temperature, pressure, wind speed & direction. 2 m mast. Runs on batteries.

[FTS weather station](#). Self-contained; 10 m mast, with wind speed & direction, temperature, humidity, solar panel/battery.

**Airmar Ultrasonic Weather Stn 220WX**

## OTHER FIELD & SAMPLING EQUIPMENT

[RTSys Noise Recorders](#). Underwater noise recorder; 1000m; with Pr&Temp, Geospectrum M36-V35-900 hydrophone; 512 GB microSD card; 4 TB hard disk drive

[Niskin bottle](#). General Oceanics Model 1010, 2.5 liter.

**Ponar Grab Sampler "petite", small**. 6"x6" all stainless.

**Ponar Grab Sampler, large**. 9"x9" all stainless.

[ASD FieldSpec HandHeld2 spectrometer \(325-1075 nm\)](#). Field spectro-radiometer for collecting spectral measurements in the field.

**Kahl Scientific meter wheel**. For 1/4" wire rope. 6" or 12" With counter.

[Battery powered capstan](#). Portable battery powered capstan; 1000kg max pull; 11.6 m/min speed.

**We Accept Payment by MasterCard or VISA**



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**Nortek Aquadopp,**

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**Nortek 10 MHz 3D Vectrino,**

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**TELEDYNE RDI 75 kHz 'LongRanger' ADCP.**

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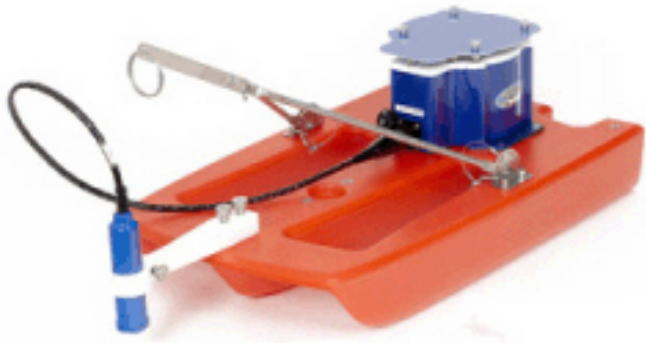
**TELEDYNE RDI 150 kHz WH Sentinel 'Quartermaster' ADCP.**

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**TELEDYNE RDI V50 Sentinel ADCP.**

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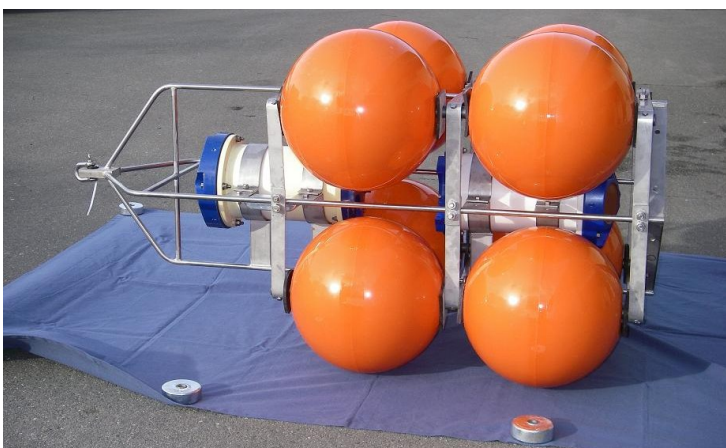
**TELEDYNE RDI 2000 kHz StreamPro ADCP.**

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**TELEDYNE RDI RiverRay ADCP (600 kHz phased array).**

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**Mooring cage for ADCP or Ice Profiling Sonar (Dual cage).**

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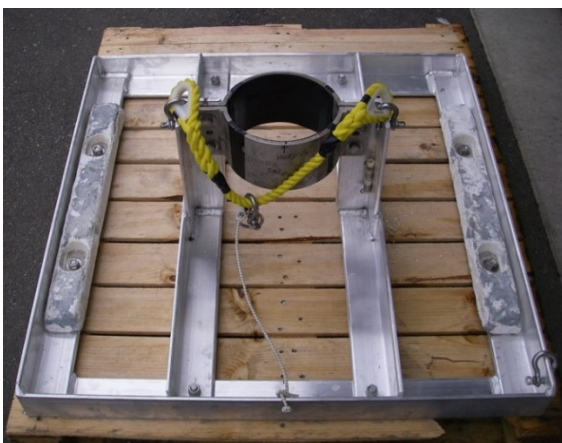
**Gimbaled Bottom Mount.**

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**MSI Gimbaled Tripod.**

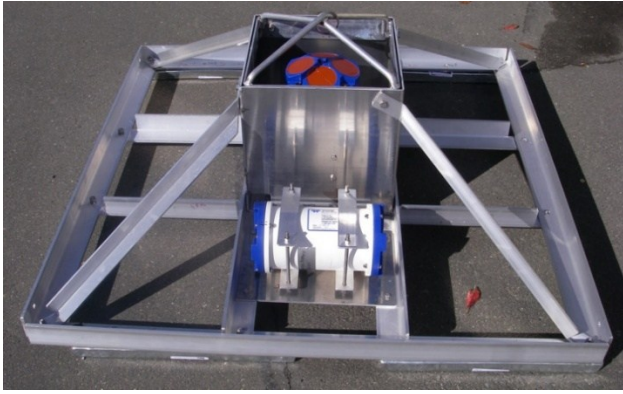
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**Non-gimbaled Bottom Mount.**

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**Non-gimbaled Bottom Mount.**

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**SOFAR Spotter Buoy.**

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**ASL 420 kHz Wave Sonar.**

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RBR Ltd. Virtuoso Wave & Tide gauge.

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EdgeTech Model AMD200R acoustic deck unit and similar EdgeTech PACS LF acoustic deck unit.

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EdgeTech Model 8011M acoustic deck unit.

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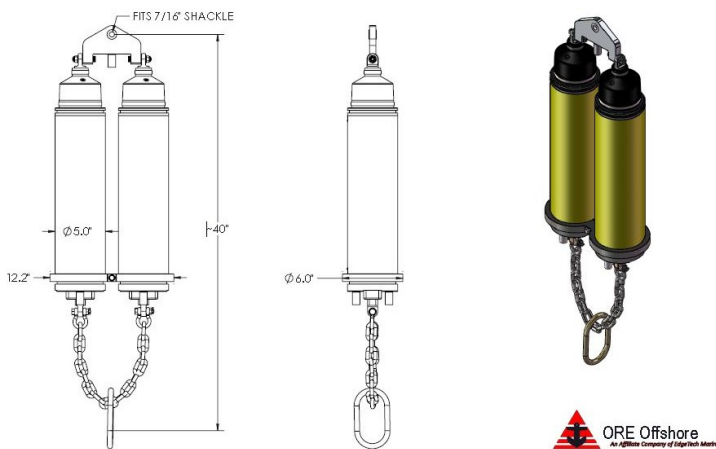
EdgeTech CART LF acoustic releases.

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EdgeTech PORT LF acoustic release.

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EdgeTech Tandem assembly.

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Pop-up rope canister & Vinyl float.

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**Benthos pinger receiver DPL-275XS.**

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**JW Fishers SFP1 acoustic pingers.**

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RJE Int'l PRS-275 pinger receiver.

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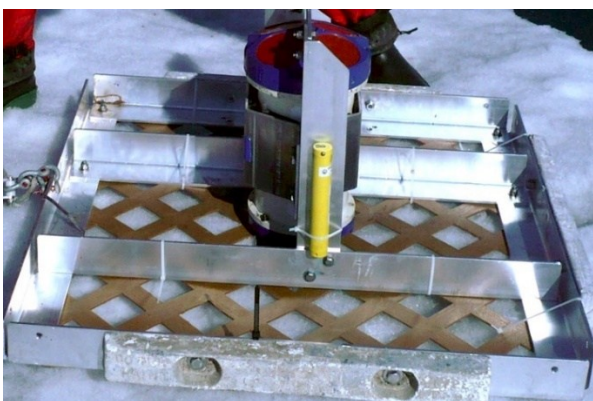
Sonotronics ManTrack pinger receiver.

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Oceanetics Measurement Ltd. pinger receiver.

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Sonotronics EMT03AR Tilt-Pingers.

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RBR Ltd. XR-420 CTD.

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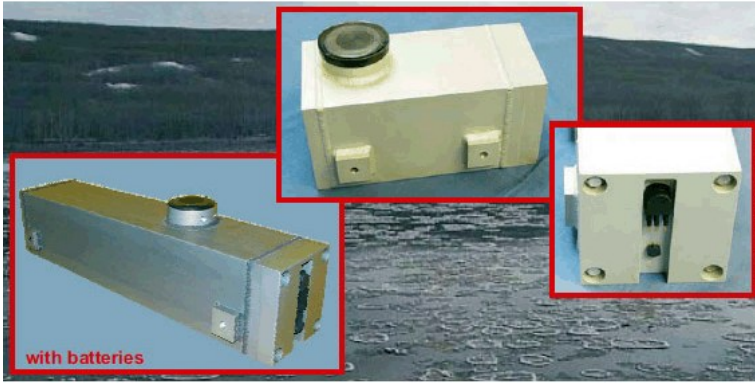
JFE Advantech Alec Compact CLW-USB logger.

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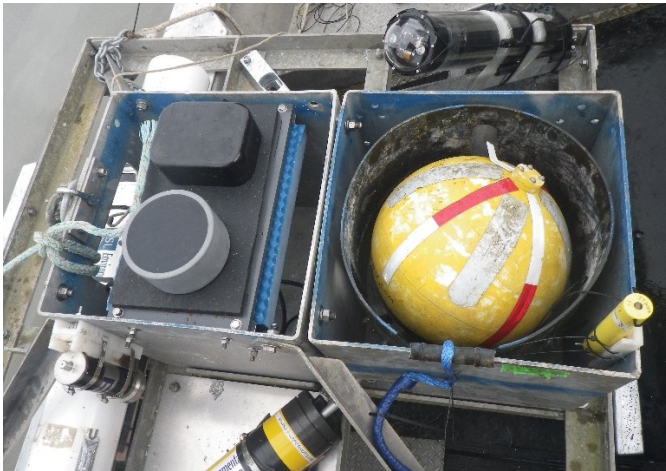
ASL Ice Profiling Sonar IPS-5.

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**ASL Shallow Water Ice Profiler SWIPS.**

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**ASL Acoustic Zooplankton Fish Profiler AZFP with frame.**

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Imagenex 881A scanning sonar.

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ASL IRIS Data Logger for Imagenex 881A Sonar.

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OpenSeas SubsA2.

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**MSI Ellipsoid Buoy EB-F-P5 for WH ADCP.**  
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**Viny Float, 12B3.**  
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**Flotation Technologies M40.**

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**Flotation Technologies CF-12HD.**

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**Garmin 525S GPS.**

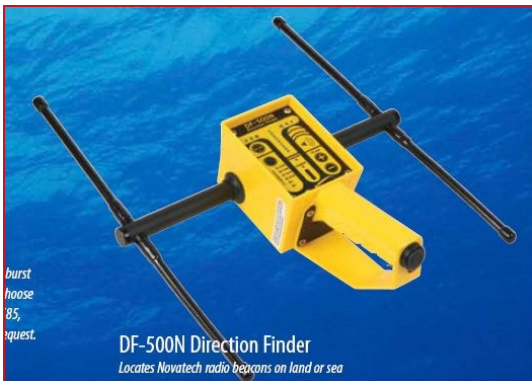
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Furuno satellite compass SC-30.  
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Metocean Data Systems RF700C6 RF Beacons.  
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DF500N hand-held direction finding receiver.  
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**Hobo Weather Station.**

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**FTS weather station.**

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**RTSys Noise Recorders.**

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**Niskin bottle.**

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**ASD FieldSpec HandHeld2 spectrometer (325-1075 nm).**  
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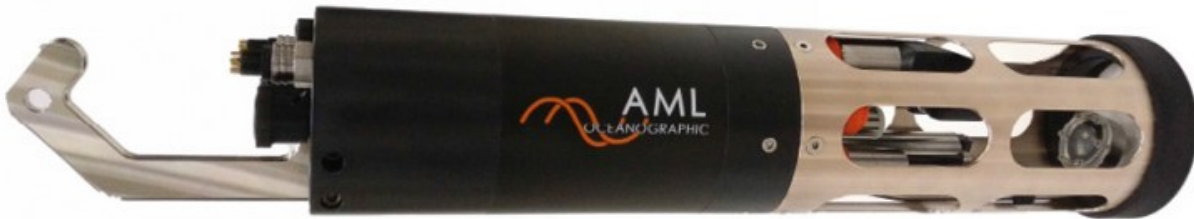
**Battery powered capstan.**  
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# ANB Sensors



**ANB Sensor calibration-free, multi-parameter pH sensor**

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**AML-6 CTD AML-6 Logging instrument, 500m.** Six port logging instrument with integrated WiFi and GPS. Internal battery recharges via USB. Includes temperature, conductivity/salinity, pressure, turbidity, dissolved oxygen, chlorophyll (A+B).

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Mesemar PBM15-1 Polyethylene surface buoy; 1.5 m diameter:

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