



LEASE OCEANOGRAPHIC EQUIPMENT

Please contact us for rates and availability

INSTRUMENT

RECORDING CURRENT METERS

Single Point Current Meters

[TELEDYNE RDI Doppler Volume Sampler \(DVS\) 6000](#). Five bin short-range profiler. TRDI's version of a 'single point' Doppler current meter. Standard temperature sensor. Max depth 6000 m.

[Nortek Aquadopp](#). 2 MHz 3D Doppler current meter, with temperature & pressure (0-200 m). 2 MB memory. With stainless mooring cage, swivel and vane.

[Nortek 10 MHz 3D Vectrino](#). measures flow in small volume, at rates up to 25 Hz. Real-time only via 50 m cable. Upgradeable for turbulence measurements.

[JDC Electronics Flowatch](#) FL-K1 stream flow meter; handheld rod w/ impeller, LCD readout.

Profiling Current Meters

[TELEDYNE RDI 75 kHz 'LongRanger' ADCP](#); 2000 m pressure sensor; 4 alkaline battery packs; typical profile range to 500-600 m. Both DR and SC cases.

[TELEDYNE RDI 150 kHz WH Sentinel 'Quartermaster' ADCP](#) either moored or vessel-mounted (BT/Transect); 2000 m pressure sensor; 4 alkaline battery packs; typical profile range to 200-350 m.

TELEDYNE RDI 300 kHz WH Sentinel ADCP either moored or vessel-mounted (Transect); typical profile range to 100 m, bottom-track to 200 m; directional wave capable.

TELEDYNE RDI 600 kHz WH Sentinel ADCP either moored or vessel-mounted (BT/Transect); typical profile range to 50 m, bottom-track to 100 m; directional wave capable.

TELEDYNE RDI 1200 kHz WH Sentinel ADCP "ZedHed" (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.

[TELEDYNE RDI V50 Sentinel ADCP](#). Typical profile range 50 m; directional wave capable. 5 beams. 500 watt hour battery pack. [\(photo\)](#)

[TELEDYNE RDI 2000 kHz StreamPro ADCP](#) With boat/float, compass, Bluetooth wireless, extended 6 m profiling range, WinRiverII & Section-by-Section software.

[TELEDYNE RDI RiverRay ADCP \(600 kHz phased array\)](#). For Transects in 0.4-40 m water depths. Upgraded compass. Garmin 17xHVS GPS w/ WAAS (± 3 m). Comes with trimaran boat and Software.

[TELEDYNE RDI Oceanscience Q-Boat](#). Remote controlled surface vessel, 1800, with RiverRay or RiverPro.

Ancillary Equipment

External Battery case for TELEDYNE RDI ADCP (includes two WH battery packs & Y-cable).

External Battery Case for TELEDYNE RDI Sentinel V ADCP (includes two WH battery packs & cable).

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

| ACOUSTIC PINGERS, TRANSPONDERS & DECK BOXES (continued) |
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| Benthos acoustic pinger ALP364A/EL , 27 kHz, 0.125W. |
| Benthos acoustic pinger ALP364A/EL , 37 kHz, 0.125W |
| Benthos pinger receiver DPL-275XS for surface or diver use. 5-80 kHz range. |
| JW Fishers SFP1 acoustic pingers . 32 kHz |
| RJE Int'l PRS-275 pinger receiver for surface or diver use. 5-80 kHz range. |
| Sonotronics ManTrack pinger receiver with omni- and directional-hydrophones. 27-100 kHz. |
| Oceanetics Measurement Ltd. pinger receiver . 27, 37 & 45 kHz settings. Omni-directional hydrophone. |
| Sonotronics EMT03AR Tilt-Pingers , 37kHz; ping rate switches from 1- to 2-Hz when tilt exceeds 15 degrees. Requires pinger receiver. |
| WATER QUALITY (Temperature, Salinity, Pressure, Dissolved Oxygen, Turbidity, Chlorophyll) |
| RBR Ltd. Concerto CTD . Light and compact. |
| RBR Ltd. Concerto CTD+Tu . (740 m max) With Seapoint turbidity sensor. Fast, 6 Hz. |
| RBR Ltd. Concerto CTD w/ Paros Pressure (700 m) . |
| RBR Ltd. Concerto CTD+Rinko DO . Fast thermistor; 6 Hz sampling. |
| RBR Ltd. Concerto CTD . Fast 6Hz; Twist On/Off; Wi-Fi |
| RBR Ltd. XR-420 CTD . Light and compact. |
| Plastic cage for RBR CTD's (no effect on inductive C-cell) |
| RBR TR1050P Temperature Loggers . |
| RBR SOLO-T Temperature Loggers . |
| SeaBird 37SM(P) CTD . Pumped. |
| JFE Advantech Alec Compact CLW-USB logger , w/ Chlorophyll, turbidity & temperature. (250 m max) With wiper. |
| JFE Advantech Alec AROW2-USB Rinko DO logger , w/ temperature. With wiper. |
| SONAR (Scanning, Ice Profiling) |
| ASL Ice Profiling Sonar IPS-5 . 420 kHz, measures ice draft at 1-2 Hz sampling for periods up to 9 months. |
| ASL Shallow Water Ice Profiler SWIPS . Internal battery. Typically 20 m range. |
| ASL Acoustic Zooplankton Fish Profiler AZFP . Four frequency: 125-200-455-769 kHz. |
| ASL Acoustic Zooplankton Fish Profiler AZFP with frame . Four frequency: 67.5-125-200-455 kHz. |
| Imagenex 881A scanning sonar ; 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). |
| ASL IRIS Data Logger for Imagenex 881A Sonar (above) . 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 is to hold a TELEDYNE RDI 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.

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

[Novatech AS900A ARGOS satellite beacon](#). Transmits location via satellite when mooring on surface. Extra charge for transmissions.

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.

[Brooke Ocean Technology BOT-Wing](#) type 970 with mounting bracket for TRDI Sentinel ADCP or RBR XR-620 CTD with DO, Chl-a and turbidity.

[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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TELEDYNE RDI Doppler Volume Sampler (DVS) 6000.

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Nortek Aquadopp,

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Nortek 10 MHz 3D Vectrino,

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JDC Electronics Flowwatch.

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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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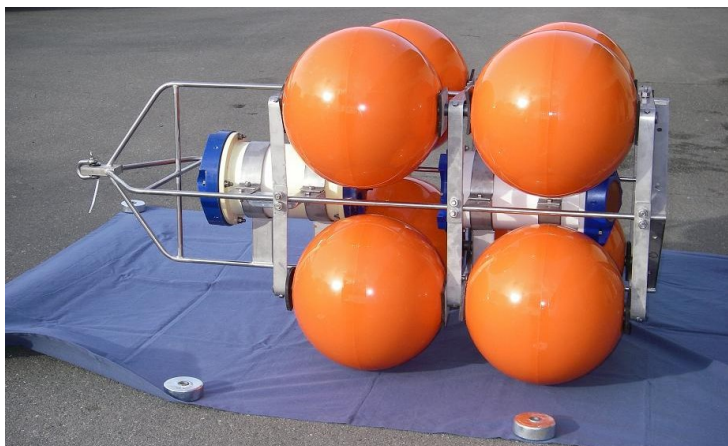
TELEDYNE RDI RiverRay ADCP (600 kHz phased array).

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TELEDYNE RDI Oceanscience Q-Boat.

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

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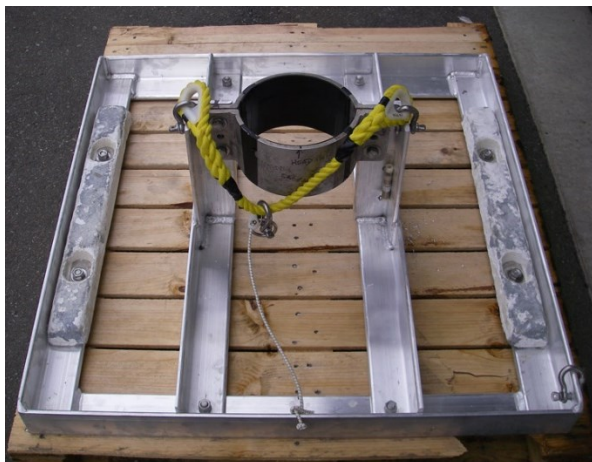
Gimbaled Bottom Mount.

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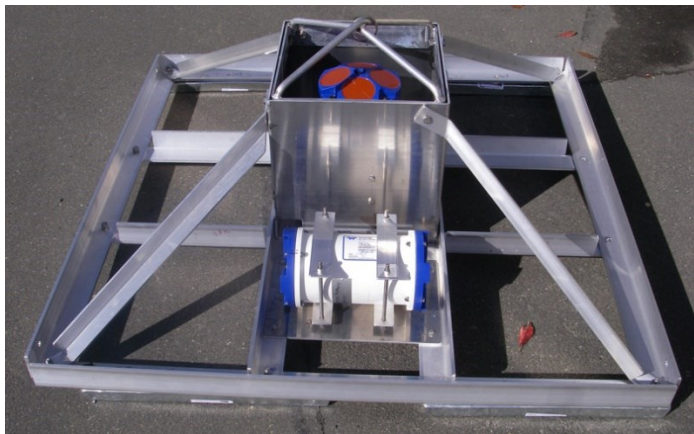
MSI Gimbaled Tripod.

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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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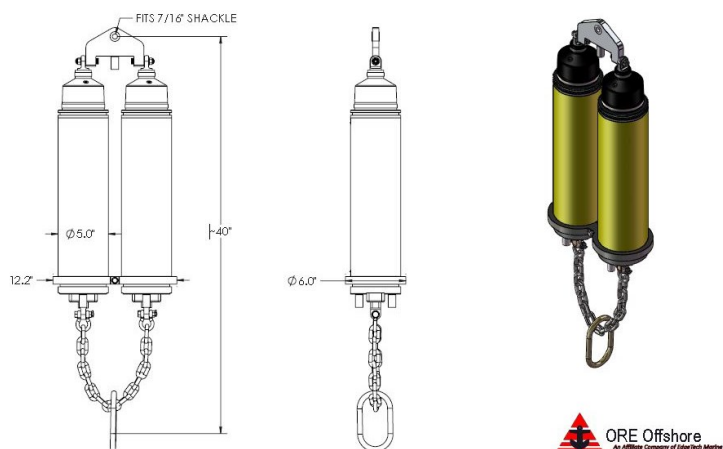
EdgeTech CART LF acoustic releases.

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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 acoustic pinger ALP364A/EL.

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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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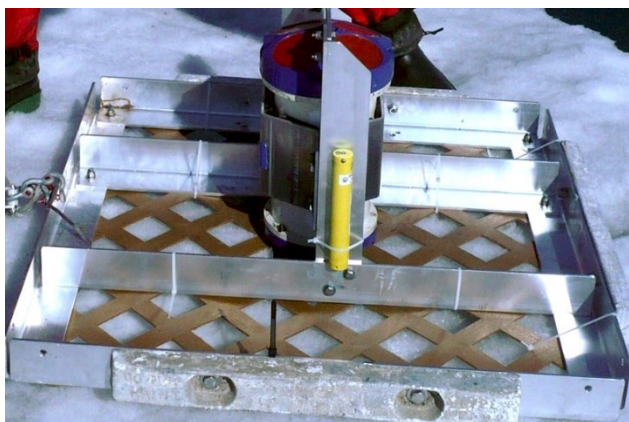
Sonotronics ManTrack pinger receiver.

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Oceanetics Measurement Ltd. pinger receiver.

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Sonotronics EMT03AR Tilt-Pingers.

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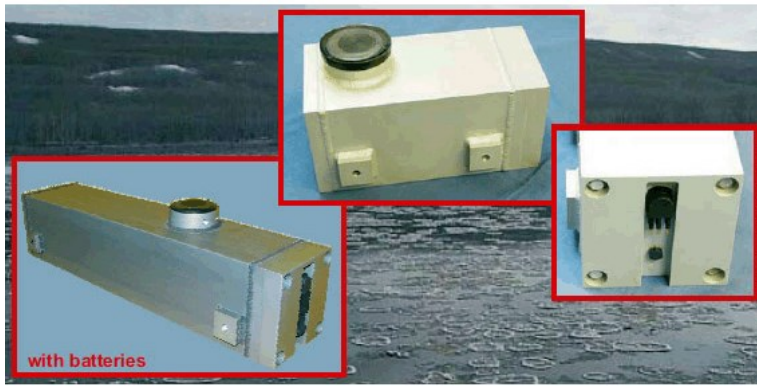
RBR Ltd. XR-420 CTD.
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JFE Advantech Alec Compact CLW-USB logger.
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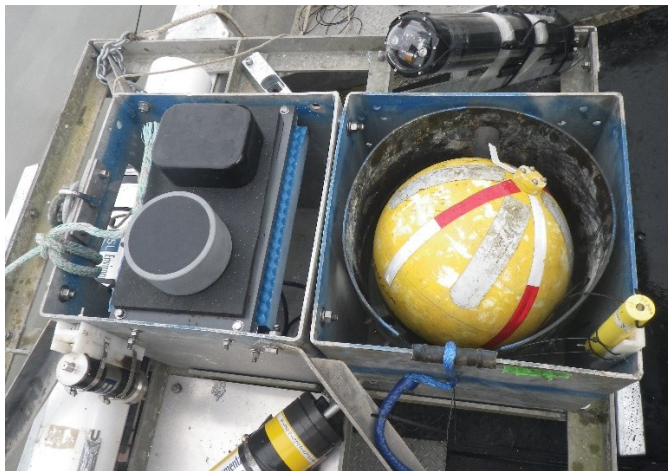


ASL Ice Profiling Sonar IPS-5.
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ASL Shallow Water Ice Profiler SWIPS.

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ASL Acoustic Zooplankton Fish Profiler AZFP with frame.

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Imagenex 881A scanning sonar.

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MSI Ellipsoid Buoy EB-F-P5 for WH ADCP.

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Viny Float, 12B3.

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Garmin 525S GPS.

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Furuno satellite compass SC-30.

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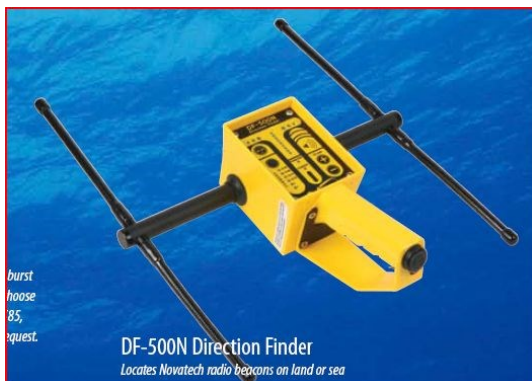
Novatech AS900A ARGOS satellite beacon.

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MetOcean Data Systems RF700C6 RF Beacons.

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