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Terms and Conditions
Current and Wave Profilers
Teledyne Workhorse Sentinel ADCP 300 MHz (150m rate). Value=$32000 ea, two units, PI=Speer
RDI Nemo Wave Processing Unit M/N SC42-1, two units: FSU Tag#492005900544, S/N0110 and s/n0033 No FSU tag (needs repair). Val=$33000 ea, c.2009, PI=Speer
Nortek AST AWAC 1 Mhz, WAV5400 (50 m). Value=$28000 ea; 3 available, PI= Clarke(1), Speer(2)
SeaHorse Tilt Current Meters

Provide simple, elegant, robust, and low-cost solutions for measuring currents at the ocean bottom or from any fixed platform.

Operation is based on the drag law of a buoyant tethered cylinder in flowing water. Three-axis accelerometers measure tilts which are converted to a horizontal velocity vector by post-processing software. The instruments are calibrated against acoustic current meters.

FEATURES: Light, compact, slick hydrodynamic shape – does not trap seaweed. Programmable self-contained sensor and data logger with fast USB interface. Sampling rate from 1 s to 18 h, total of 21800 measurements. Time base accuracy 1 min per month; battery life 1 year. Varying length 20 cm to 3 m. Varying ballasting for optimal measurements in large velocity 1 m/s or small velocity 0 cm/s work range limits. Velocity measurement accuracy 2 cm/s (standard model). Water depth 30 m, 300 m, 7 km options. Cone-shaped lead mooring base with built-in ball compass or attachment for lobster trap options. Other sensors, e.g. temperature, light, can be added. Research-quality data.

Deployment/Recovery: depends on depth and application: manually placing on the bottom; special pole or rope launcher with compass; buoy, rope, secondary mooring and ground line; lobster traps.

Numerous applications: monitoring tidal and subtidal current variability in shallow waters, shelf, bays, rivers, ponds, tidal flats. Near bottom stress estimation (with varying length instruments). Complementing near bottom observations where ADCP’s have a blank zone. Spatial surveys in complicated bathymetric environments: channels, reefs, kelp forest; for submarine power generation and aquaculture projects: larvace, lobster, scallop migrations; site selection for aquaculture farms. A typical deployment covers 1 month lunar cycle with 2 min sampling rate.

Volume and project discounts available. We can build a customized array of SeaHorse TCMs, perform field observations, as well as data analysis and interpretation.

sales@oceanolog.com
http://www.oceanolog.com

Seahorse Tilt Current Meter, val=1200, not inventoried, PI=Speer
FSI 2D-ACM Compact Vector Averaged Current Speed and Direction Meter. No FSU Tag. Two units. c.2006. val=$6975, Calibration and repair of broken $1450. PI=Clarke
Trawl Proof Housing
MSI Trawl resistant bottom mount FSU# 426180; behind warehouse; $8514 Purchase c. 1995 active inventory. PI = Speer
MSI Trawl resistant housing val=$5000, requires refurbishment=$1000 c.2008.
Mooring Gear
ORE Acoustic Ranging Deckset Model 8011M FSU tag# 413888; active inventory; rack 4 top shelf. $15000; c. 2013 PI = Speer
ORE Transponder Releases, long version  FSU Tag#413887; S/N32977 release  not on active inventory.val=15000 ; c.=?  PI = Speer
Metal Surface buoys and hard hat ring hardware: 5 red balls, 6 ring mount assemblies; large buoy val=$2900, small buoy val=$2500, large ring val=$2900, small ring = $2500, not inventoried
Floatation Hardhats and Glass Balls; 17” approximately 150 available, val=$650, c.1995 not inventoried
Water and Light Sensors
Seabird 16plus pumped w/DO, (600), two available, not inventoried, value=$20,345, recalibration=$1300, PI=Speer.
Seabird Conductivity Meters, analog output only. M/N 4-0170 & M/n4-0270. Not inventoried
Total of 26 available. Uncalibrated; value=$4400, refurbishment approx. $450, c.1995,
http://www.seabird.com/sbe4-conductivity-sensor
YSI6600-M(4) Multi-parameter Water Quality Sonde includes pH, turbidity, chlorophyll, dissolved oxygen, temperature and conductivity. Val=$13000 Un-calibrated, standards not provided PI=Clarke
Li-Cor Underwater Radiation Sensors (s/n Q33572,Q33670,UWQ8824) and Model LI-1400 Li-Cor data logger s/n DLA-2804. Underwater version on 30 ft of cable. No FSU Tags, val=$4000, c.? , PI=MacDonald  http://www.licor.com/env/products/light/quantum_underwater.html
Sediment Core Samplers
Photo and Acoustic Survey Tow Fish and Navigation (MILET)
Tow frame with sensors and navigation. With IPS geopostioning software, Sensor, lights, navigation may be separated for specific use or total cost on frame is sum of the following values plus technician and mobilization costs:
Mac Artney Nexus fiber optic high bandwidth Mux/Demux, Power Supply and Winch Assembly. Value = $314000 FSU tag#4920097975 c.2013 PI=MacDonald
LinkQuest TrackLink5000 USBL topside acoustic transducers (must be used with compatible transponder or responder mount. See below, FSU#492000426523,val=$74100,
LinkQuest TrackLink 5000 USBL Transponder/Responder val=$11900 (included with topside) and cable mount value=$1000 Pl=MacDonald
Trimble Pro6T High Accuracy GPS. Value=$3000. PI=MacDonald
Teledyne/RDI Workhorse Navigator 600 MHZ, M/N WHS-600, FSU Tag#492000425469, c.2011 value=$27000, PI=MacDonald
Edgetech 2200 F-Spectrum Sub-Bottom Profiler, FSU#492000426770, val=$94540 c.2013, PI=MacDonald
Deep Sea Power and Light Multi-SeaCam Analog Video Camera M/N#1379-T, val=$2500, PI=MacDonald
Deep Sea Power and Light Laser (line cast), M/N SeaLaser – 1000, 2 available, val=$2500 ea, PI=MacDonald http://www.deepsea.com/sealaser100/
Imenco Strobes Lantern, M/N 110, FSU Tag#s 4492000425808, 4492000425809, 2 available, val=$7000, PI=MacDonald
Seabird19 plus pumped w/DO (3500m) S/N 19P32844-4442, val=$23,600, recal.=$1300, PI=MacDonald
APC SMT2200 2200 VA 1980 Back up power supply, val=$900, PI=MacDonald
Beast Digital Still Camera and ethernet hub, Housing 6000M, FSU No. 492000423777, val=$20000, PI=MacDonald
Shipping Containers
12 foot flatbed dual axle trailer w/electric brakes value=$7000
Waterproof plastic storage bin (3’x3’x3’), forklift compatible, one lined, one un-lined; val=$850 ea, not inventoried
Galvanized collapsible deck storage cages; 7 available, 13 in use w/ hard hat floatation, not inventoried. $350 ea
Miscellaneous
RS232 900 MHz Radio B&B Electronics M/N ZXT-9M long range, w/ std and 3 dB gain antennas, no tag, val=$1000, PI=Speer
Olympus PT-047 Underwater Camera Housing (40m) and Olympus Stylus Tough 6000 (10 MP). Val=$650.
Marine Technician

C&G and Internal FSU rates:

Daily MFG Rate $78.75/day

Sea Time FOB FSU campus (door to door) exceeding 8 hrs.

Monday-Friday $35/hr

Example: Leave Tallahassee 0600 return campus 1800

0600 to 1400 $78.75
1400 to 1800 $140.00
Total $218.75/day

Saturday, Sunday and Holidays $420/day

Example: Leave Tallahassee 0600 Sunday return 1800.

Daily MFG Rate per day $78.75
Weekend Sea Rate per day $420.00
Total $498.75/day

Not inclusive of travel (mileage, hotel, and meals) if necessary.