

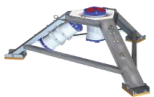











Acoustic Doppler Profilers & Velocimeters - NORTEK			Specification Sheet
	<p>Nortek Signature 55 kHz / 75 kHz - 3 beams</p> <ul style="list-style-type: none"> • 5 m/s along beam range, 1 Hz ping rate, 128 GB memory, 5 to 20 m bins • 55/75 kHz: 1000/600 m range, 1200 m bottom track range, 1500 m rated • AHRS for moving applications 		Nortek
	<p>Nortek Signature 100 kHz - 5 beams</p> <ul style="list-style-type: none"> • 5.0 m/s along beam range, 3 Hz ping rate, 128 GB memory, 3 to 16 m bins • 470 m profile range, 560 m bottom track range, 1500 m rated • Scientific echo sounder with central beam 70 - 120 kHz • AHRS for moving applications 		Nortek
	<p>Nortek Signature 250 kHz - 5 beams</p> <ul style="list-style-type: none"> • 5.0 m/s along beam range, 3 Hz ping rate, 128 GB memory, 1 to 8 m bins • 211 m profile range, 205 m bottom track range, 300 m rated • Wave height and direction, Ice thickness, ice tracking • AHRS for moving applications 		Nortek
	<p>Nortek Signature 500 kHz - 5 beams</p> <ul style="list-style-type: none"> • 5.0 m/s along beam range, 8 Hz ping rate, 128 GB memory, 0.5 to 4 m bins • 77 m profile range, 70 m bottom track range, 300 m rated • Wave height and direction, Ice thickness, ice tracking • AHRS for moving applications 		Nortek
	<p>Nortek Signature 1000 kHz - 5 beams</p> <ul style="list-style-type: none"> • 5.0 m/s along beam range, 16 Hz ping rate, 128 GB memory, 0.2 to 2 m bins • 32 m profile range, 30 m bottom track range, 300 m rated • Wave height and direction, Ice thickness, ice tracking • AHRS for moving applications 		Nortek
	<p>Nortek Signature VM Coastal 250, 500 and 1000 kHz - 5 beams</p> <ul style="list-style-type: none"> • Vessel Mounted measurements • 5th echosounder beam for sediment measurements • Simultaneous current and depth information • Outstanding bottom-track performance 		Nortek
	<p>Nortek Aquadopp Profiler 1 MHz Sidelooking - 3 beams</p> <ul style="list-style-type: none"> • 10 m/s range, 1Hz ping rate, 16 GB memory, 0.3 to 4.0 m bins • 25 m profile range, 300 m rated • PUV wave measurements 	For Sale	Nortek
	<p>Nortek VECTOR velocimeter - 3 beams</p> <ul style="list-style-type: none"> • 7 m/s, 64 Hz ping rate, 4 GB memory, 2 cm single bin • 15 cm range, 300 m rated housing • 10, 20, 30, 50, 100 or 200m pressure sensor • Probe: Fixed stem or 2m cable 		Nortek
	<p>Nortek Battery canister aluminium for 2*36*D pack w/cable to instrument</p> <ul style="list-style-type: none"> • 500 m rated depth 		Nortek
	<p>Nortek software : Ocean Contour</p> <ul style="list-style-type: none"> • Software for currents and waves • 3 PC per licence 		Nortek


Acoustic Doppler Profilers - Teledyne RDI		Specification Sheet
	Teledyne RDI Sentinel V100 (300 kHz) - 5 beams - 25° slant <ul style="list-style-type: none"> • 5 m/s, 2 Hz ping rate, 16 GB memory, 0.5 to 6 m bins • Ranges: 151 m profile, 240 m bottom track, 200 m housing • Accuracy 0.5 % of measured value +/-0.5 cm/s • Bottom track and waves features 	Teledyne RDI
	Teledyne RDI Sentinel V50 (500 kHz) - 5 beams - 25° slant <ul style="list-style-type: none"> • 5 m/s, 4 Hz ping rate, 16 GB memory, 0.5 to 6 m bins • Ranges: 82 m profile, 125 m bottom track, 200 m housing • Accuracy 0.3 % of measured value +/-0.3 cm/s • Bottom track and waves features 	Teledyne RDI
	Teledyne RDI Sentinel V20 (1000 kHz) - 5 beams - 25° slant <ul style="list-style-type: none"> • 5 m/s, 4 Hz ping rate, 16 GB memory, 0.25 to 4 m bins • Ranges : 32 m profile, 45 m bottom track, 200 m housing • Accuracy 0.3 % of measured value +/-0.3 cm/s • Bottom track and waves features 	Teledyne RDI
	Teledyne RDI Workhorse (300, 600 or 1200kHz) - 4 beams - 20° slant <ul style="list-style-type: none"> • 5 m/s, 5 Hz ping rate, 4 GB memory • Bottom track and waves features 	Teledyne RDI
	Teledyne RDI RiverPro (1200kHz) - 5 beams - 20° slant <ul style="list-style-type: none"> • 5 to 20 m/s, 2 Hz ping rate, 16 MB memory, 0.02 to 5 m bins • Ranges: 25m profile, 35 m bottom track, 120 m bottom detection • The 5th beam collects true vertical velocity and range to bottom • Fully integrated GPS, Auto-adaptive sampling • Communications: RS232, Bluetooth, radio modem (option) 	Teledyne RDI
	Teledyne RDI RiverRay (600kHz) - Phased Array 30° <ul style="list-style-type: none"> • 9.5 m/s, 2 Hz ping rate, accuracy 0.25% +/- 0.2 cm/s • Ranges: 60m profile, 100m bottom track, 120m bottom detection • Fully integrated GPS • Communications: RS232, Bluetooth, radio modem (option) 	Teledyne RDI
	Teledyne RDI external battery container <ul style="list-style-type: none"> • For 2 battery packs (Sentinel V) • c/w cable (2 m) 	Teledyne RDI
	Teledyne RDI Software : Velocity <ul style="list-style-type: none"> • For currents and waves • 3 PC per licence 	For Sale Teledyne RDI
Acoustic Recorders		Specification Sheet
	ABYSSENS DORI Acoustic recorder <ul style="list-style-type: none"> • 110 dB dynamic range, 2 Hz to 250 kHz, up to 16 TB • Sampling rates: 31.25 to 400 kSps • Self-contained or real-time • Alkaline D cells 	Abyssens

Tide & Wave gauges Multiparameter probes		Specification Sheet
	Valeport Tide Gauge : Model 740 <ul style="list-style-type: none"> • Suitable for use in fresh and salt water • Up to 2 years deployment time • Accuracy : $\pm 0.1\%$ Full Scale • Cabling available to use with Satel UHF 	For Sale Valeport
	NKE WiMo and WiMo Plus <ul style="list-style-type: none"> • Very good accuracy and autonomy • Temperature and pressure on the main housing • WiMo: 4 smart ports. WiMo Plus: 7 smart ports • Plug-in smart sensors : Wiper, Conductivity, Turbidity, Oxygen concentration, Oxygen saturation, pH, Fluorescence Chlorophyll A, Fluorescence Phycocyanin, Fluorescence Phycoerythrin, CDOM fDOM, Redox/ORP • Calculated parameters : Chloride, Depth, Salinity, Sound velocity, Specific conductivity, Total dissolved solids • Options: Plug-in GSM modem, Cloud, Buoy 	NKE Instrumentation
	RBR Compact loggers <ul style="list-style-type: none"> • Very good accuracy and autonomy • Solo or Duet for 1 or 2 sensors • Sensors available: Temperature, Pressure, Dissolved Oxygen, Turbidity or PAR • Pressure sensor capable of tide and low and high frequency wave measurements 	RBR
	RBR Standard loggers <ul style="list-style-type: none"> • Very good accuracy and autonomy • From 1 to 10 sensors: Virtuoso, Duo, Concerto, Maestro • Sensors available: Conductivity, Temperature, Pressure, CO₂ Dissolved Oxygen, Fluorescence, ORP, PAR, pH, Turbidity, Transmittance, and Voltage • Pressure sensor capable of tide and low and high frequency wave measurements 	RBR
	SEQUOIA LASER GRANULOMETER LISST-100X <ul style="list-style-type: none"> • Particle size range : 1.25 to 500 microns in 32 size ranges • Optical path : 50 mm • Depth rating : 300 m 	SEQUOIA
MetOcean buoys		Specification Sheet
	Datawell Directional Waverider MK3 - 90 cm - 240 kg <ul style="list-style-type: none"> • Directional wave spectrum and parameters • UHF, GSM or Iridium communication 	Datawell
	AXYS TRIAXYS - 110 cm - 235 kg <ul style="list-style-type: none"> • Directional wave spectrum and parameters • UHF, GSM or Iridium communication • Can host Nortek Signature ADCPs for water profiling 	AXYS
	Zunibal Anteia Buoy - 60 cm - 26 kg <ul style="list-style-type: none"> • Directional wave spectrum and parameters • UHF, GSM or Iridium communication 	ZUNIBAL
	Sofar Ocean Spotter with SST - 42 cm - 5.4 kg <ul style="list-style-type: none"> • Directional wave spectrum and parameters • Iridium communication • Wind speed and direction estimation with spectrum tail 	For Sale Sofar Ocean

Seabed platforms & Moorings Lowered frames & Vessel poles			Specification Sheet
	DynamOcean Seabed Frame DIODORA (triangular pyramid) <ul style="list-style-type: none"> • ADCP gimbal • Two pop-up buoys (360mm diameter, 20kg buoyancy) • False floor for lead weight (maximum 550kg) • 2.4m width, 0.55m height, 250kg without lead 		DynamOcean
	Seabed Frame (stainless steel, packable) <ul style="list-style-type: none"> • Fixed ADCP • Brackets for two POP-UP buoys and two battery containers • 110 kg 		Nortek MED
	Seabed Frame (aluminium, stackable) <ul style="list-style-type: none"> • Brackets for two POP-UP buoys and two battery containers • Feet with optional steel or lead weight 		DeepWater Buoyancy
	Small seabed frame compatible with <ul style="list-style-type: none"> • Nortek side-looking aquadopp • Multiparameter probes 		DeepWater Buoyancy
	POP-UP Buoy to fit on Seabed platforms <ul style="list-style-type: none"> • Bracket for acoustic release Sonardyne RT6-1000 • Rope canister • 36 cm Trawl float • For ropes length of ~140m (8 mm), 110m (10 mm), ~70m (12 mm) 		DynamOcean
	POP-UP Buoy to fit on most frames: <ul style="list-style-type: none"> • Bracket for acoustic release Sonardyne RT6-1000 • Rope canister 92 cm long and 26 cm diameter • For 100m of 8mm diameter rope plus one 20cm float • For 70m of 10mm diameter rope plus one 20cm float 		DynamOcean
	POP-UP Buoy for inline moorings: <ul style="list-style-type: none"> • Bracket for acoustic release Sonardyne RT6-1000 • Rope canister 50cm long and 12cm diameter 		Sonardyne
	Vessel Mounted pole <ul style="list-style-type: none"> • Aluminium • Bracket for ADCP or USBL • Bracket for GPS 		DynamOcean
	Inline ADCP frames <ul style="list-style-type: none"> • Single or double ADCP 	For Sale	DynamOcean
	Elliptical ADCP buoys <ul style="list-style-type: none"> • Single or double ADCP 		DeepWater Buoyancy
	Buoy for Signature 250 or 500 - Ø 480 mm - length 1150 mm <ul style="list-style-type: none"> • Maintain a vertical orientation even when exposed to strong currents and wave action. 		NORTEK
	Wirewalker <ul style="list-style-type: none"> • Wave-powered • Vertical profiling with various instruments • Up to 1000 m depth range 		Del Mar Oceanographic

USBL		Acoustic Transponders, Releases and Modems		Specification Sheet
	Sonardyne USBL : Micro-Ranger 2 <ul style="list-style-type: none"> To track any 6G transponders (Nano, RT6, WSM6+, etc) Lightweight and easy to operate 		Sonardyne	
	Sonardyne Deck Topside <ul style="list-style-type: none"> DeckUsed à topside with a smartphone and app May be replaced by Depth rated to 1,000 m Working Load Limit (WLL) : 150 kg up to 300 kg with tandem kit 		Sonardyne	
	Sonardyne Nano Transponder <ul style="list-style-type: none"> WITH pressure sensor Depth rated to 1000 m 		Sonardyne	
	Sonardyne Underwater Acoustic Modem 6 (Sub-Mini) <ul style="list-style-type: none"> Transfer rates up to 9,000 bps Depth rating: 1000m Sonardyne Wideband® telemetry 		Sonardyne	
	Sonardyne Acoustic Release and Transponder : RT6-1000 <ul style="list-style-type: none"> With inclinometer Depth rated to 1,000 m Working Load Limit (WLL) : 150 kg up to 300 kg with tandem kit 		Sonardyne	
	Sonardyne Acoustic Release and Transponder : RT6-3000 <ul style="list-style-type: none"> With inclinometer Depth rated to 3,000 m WLL : 1,275 kg up to 25 tonnes with heavy duty release frame 		Sonardyne	
	iXBlue Oceano 500 coastal acoustic releases : Model AR 701 AE <ul style="list-style-type: none"> Rated Depth : 400m WLL : 500kg Release load : 200kg 	For Sale	iXblue	
	iXBlue acoustic releases : Model AR 661 B1S <ul style="list-style-type: none"> Depth rated : 6000m WLL : 2500kg low frequency command code structure for reliable deep sea operations 	For Sale	iXblue	
	iXBlue Telecommand deck unit TT300 <ul style="list-style-type: none"> Model TT300 for Acoustic Release AR 701 AE Model TT300B for Acoustic Release AR 661 B1S 	For Sale	iXblue	

Pingers with tilt monitors IRIDUM & ARGOS Beacons			Specification Sheet
	Sonotronics Tilt angle monitoring transmitter : Model EMT-AR-3 <ul style="list-style-type: none"> • User replaceable AA lithium batteries (2) • Accuracy : $\pm 2.5^\circ$ for angle between 15° and 90° • Range : 4km, Depth rating : 1km, Duration: 6 months 		Sonotronics
	Sonotronics Deck Box : Model USR-08 <ul style="list-style-type: none"> • Frequency range : 30 to 90 kHz (500Hz steps) • Sensitivity : 1.0 microvolt for 40 dB • Omni-directional hydrophone • Directional hydrophone 		Sonotronics
	Iridium Beacon, metOcean iBCN <ul style="list-style-type: none"> • Rated depth : 7500m • Length 390mm, diameters 28.7 and 58.9, weight in water 0.5kg 		metOcean
	Sercel Argos Beacon : Model BASM 3000 <ul style="list-style-type: none"> • Rated depth : 3000m • Length 770mm, diameter 70mm, weight in water 3.4kg • Quick retrieval of surface drifting equipment 	For Sale	Sercel
Data Telemetry			Specification Sheet
	Satel Radio Telemetry : Radio Transceivers 2ASxE <ul style="list-style-type: none"> • Connection range of 4 to 40 kilometres 	For Sale	Satel
	Sonardyne Underwater Acoustic Modem 6 (Sub-Mini) <ul style="list-style-type: none"> • Transfer rates up to 9,000 bps • Depth rating: 1000m • Sonardyne Wideband® telemetry 		Sonardyne
	Hydromea Optical Model LUMA X-UV <ul style="list-style-type: none"> • Transfer rates up to 10 Mbps • Range 30 m • Depth rating 6000 m 		Hydromea
Single and Dual antenna GNSS (GPS)			Specification Sheet
	Hemisphere smart antenna GNSS : Model A325 <ul style="list-style-type: none"> • Option for GLONAS and RTK available • Long range RTK baselines of up to 50 km • Very fast RTK fix and reacquisition times 		Hemisphere
	Hemisphere vector GNSS Compass : Model VECTOR V102 <ul style="list-style-type: none"> • Horizontal position SBAS (0.5 m), heading (0.75°), roll & pitch (1.5°), heave (30 cm) • Accurate heading during GNSS outages of up to 3 minutes 		Hemisphere
	Advanced Navigation GNSS Compass <ul style="list-style-type: none"> • 0.01 m RTK, 0.2° heading, 0.4° roll & pitch, 200 Hz update rate • Accurate heading during GNSS outages of up to 20 minutes 		Advanced Solutions

Weather Stations			Specification Sheet
	Vaisala Weather Station : Model WXT520 <ul style="list-style-type: none"> • Wind velocity magnitude and direction, Barometric Pressure • Air Temperature, Relative Humidity and Precipitation 	For Sale	Vaisala
	Vaisala Wind Sensor : Model WS425 (similar to WMT700) <ul style="list-style-type: none"> • Wind velocity magnitude and direction, Barometric Pressure • Air Temperature, Relative Humidity and Precipitation 	For Sale	Vaisala
Handling Systems			Specification Sheet
	Winch and Cable for two lowered ADCPs <ul style="list-style-type: none"> • Cable length 150m for 18mm diameter • Line pull 450 kg • Speed: 25m/min • Power 230VDC 	For Sale	Treuil Huchez
Vehicles			Specification Sheet
	Teledyne RDI tethered float for RiverPro and RiverRay <ul style="list-style-type: none"> • Folding Trimaran; Polyethylene • 120x80x20 cm • 10kg bare; 17 kg with instrument and battery 		Teledyne RDI
	RiverDrone Pario 3 - USV/ASV <ul style="list-style-type: none"> • For ADCP, SBES, MBES and multiparameter probe • Camera, RTK positioning, remote controlled or automated • Max speed 5.5 m/s 		RiverDrone
	BlueROV2 - mini ROV <ul style="list-style-type: none"> • Pressure rating: 100m • Tether length: 50, 100, or 200m • 4 lights 		Blue Robotics
	YUCO - mini AUV <ul style="list-style-type: none"> • 300 m depth rated, 2.5 to 6 knots max, 6 to 10 hours endurance • Weight 8 kg, Length 100 cm, Diameter 12 cm • Payload : Side scan, CTD, multiparameter probe, acoustic recorder 		Seaber
Energy			Equipment manufacturer
	Nortek Battery canister aluminium for 2*36*D pack w/cable to instrument <ul style="list-style-type: none"> • 500m rated, available for any instrument (ADCPs, CTDs, etc.) • Primary: Alkaline (1080 Wh), Lithium (3600 Wh) • Secondary: Lilon (~1000 Wh) 		Nortek
	Nortek Battery canister plastic for 4*18 AA pack w/cable to instrument <ul style="list-style-type: none"> • 300m rated, available for any instrument (ADCPs, CTDs, etc.) • Primary: Alkaline (200 Wh), Lithium (660 Wh) 		Nortek