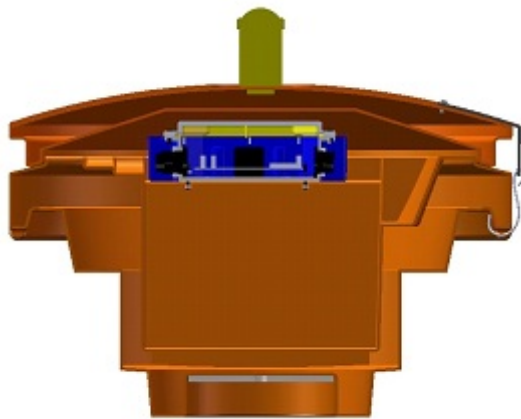
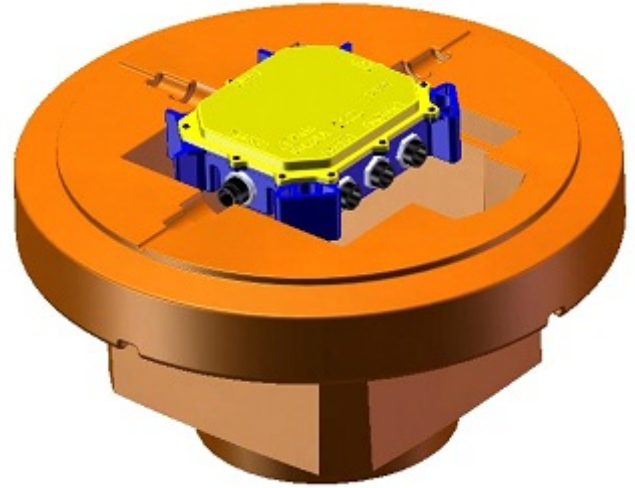


SIGMA-BUOY

Floatation for cableless seismic.

There is little doubt that the seismic exploration industry is looking to cablefree recorders to solve many of its operation problems. However, there are some environments which so far remain almost untouched by cableless acquisition such as marsh, TZ and shallow water. Some consider these the natural home for "seismic without cables" so it is surprising that they have received such little attention so far.

iSeis's *Second Generation* cableless system Sigma™ has already proved itself in a diverse range of passive and active surveys onshore, operating in stand-alone mode, as well as side-by-side cabled systems. Now, with the introduction of the specially designed *Sigma-Buoy*, cablefree can at last extend the range of operations away from dry land.



Sigma-Buoy provides protection and floatation for Sigma acquisition units and its power supplies for a variety of wet environments, including shallow bays and lakes, river crossings and harbors, reservoirs and marsh. A base and water-lipped lid with four EPDM latches, weighing a total of only 30 lbs, allow ease of deployment and maximum protection to all equipment.

Sigma-Buoy is a rotationally-molded low density polythene construction to reduce weight while providing strength. All materials used have been chosen to resist sunlight, corrosion, oils, salt water and other substances commonly found in the exploration environment. The three channel Sigma SAU and battery (with Pelican-case type housing) fit safely into each buoy base, and then are further protected by a lid which allows sensor cables to enter the buoy.

The safety-orange colored buoys incorporate battery-operated flashing beacon to US Coast Guard specification while a unique ballast system* can be provided by water (which automatically drains) or standard weights. Tie-downs above and below the water secure the buoy in position if required. As Sigma provides inter-unit communication through a proprietary Mesh Radio Network, *Sigma-Buoy* also uniquely allows for the positioning of an MRN repeater. (* Patent pending).



Sigma-Buoy Specifications	
Wall Thickness	1/8"-3/16"
Air weight	30 lbs
Diameter	30" approx
Height	20"
Freeboard	4" (less cover)
Submergence	12"

[iSeis: on land and on water - at the forefront of cablefree seismic.](http://www.i-seis.com)

www.i-seis.com

CONTACT:

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Details subject to change without notice.

iSeis®