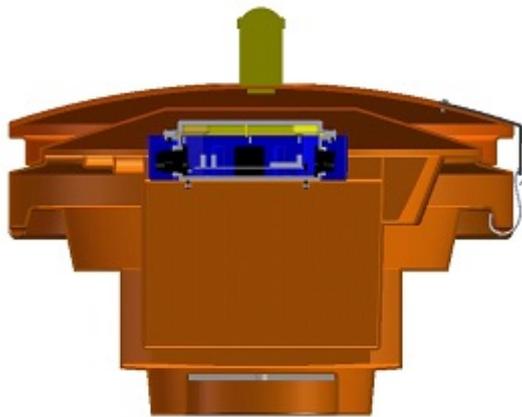
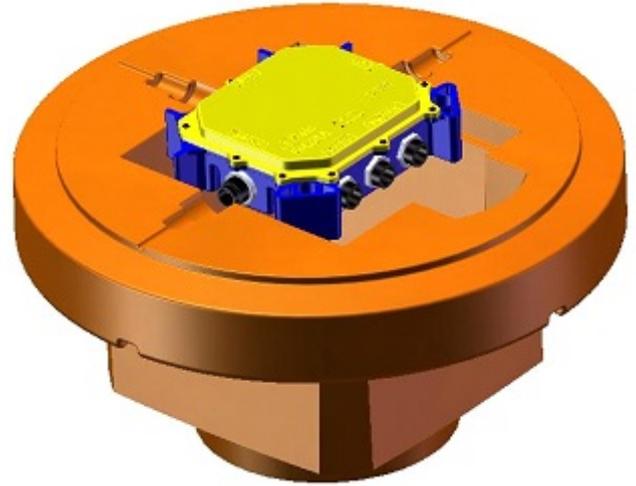


SIGMA-BUOY

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:

www.seismicsource.com

iSeis Co., 1601 Blake Street, Ste 320, Denver, CO 80202, USA. : +1 303 884 1157.

Seismic and Oilfield Services Ltd., Unit 3 Cypress Court, Sunbury on Thames, Middlesex, TW16 7EL, UK. Tel: +44 1372 842060.

Canada: Global Seismic Repairs Inc., 4405A - 75th Ave SE, Calgary, Alberta T2C 2K8, Canada. Tel: +1 403 252 7552.

India: Toshniwal Bros (Delhi) Pvt. Ltd., Mohit House SC-II, D-3 Mansarovar Garden, New Delhi 110015, India. Tel: +91 11 4553 1692.

Russia: Xport Group Inc, OOO, Leningradskiy Prospect 72, Bldg 4, Entrance 1, Ste 12 Moscow 125315, Russia. Tel: +7 495 708 1196.

Details subject to change without notice.

iSeis®