

BartingtonNews

the Newsletter from Bartington Instruments

Three-axis Helmholtz coil system



A new Helmholtz coil system is the latest addition to the Bartington Instruments product range.

Three pairs of 40cm coils cancel out external magnetic fields to create a zero field environment at their centre. They can also generate a field of known intensity and frequency to be used in the calibration of magnetometers.

The system includes a power amplifier which is also used for DC field compensation.

www.helmholtzcoil.com

Order for 12 magnetic susceptibility sondes

Twelve BSS-02B Borehole Magnetic Susceptibility Sondes have recently been delivered to Reeves Wireline Technologies for use by Weatherford International.

The instruments are designed to be lowered into a borehole and use magnetic susceptibility to distinguish the different strata they encounter. They are used for mineral exploration and for discriminating kimberlites, the volcanic rock most likely to contain diamonds, from other rock types.

Reeves will integrate the sondes into borehole tools for Weatherford.



Navigation by magnetic anomalies



Underwater gliders used for environmental monitoring can navigate beneath the polar icecap with the help of Bartington Instruments' Mag648 sensor.

Although gliders can operate autonomously, they must surface periodically to establish their position by GPS. This is something they can only do when the sea is ice-free during the summer months.

www.bartington.com/case-studies.html

The system developed by a team at Memorial University, Canada builds up a map of magnetic anomalies on the seabed during the glider's summer operation. Once the sea has iced over again, the glider can continue to navigate itself using the map for reference.

A case study describing the application is available on our website.

Prizes and a new competition announced

Two of our customer organisations have won new laptops for their users from Bartington Instruments.

Scott Fraser of Tech21 Engineering Solutions submitted the winning entry in our latest photograph competition (right). Tech21 also receives a credit of £300 against a future equipment purchase.

The competition is now a bi-annual event, with winning photographs selected every June and December. Customers are invited to send as many high quality photographs



Mag-01H D/I system

of our instruments in use as they like to sales@bartington.com. The deadline for the next round is 19th December 2012.

Meanwhile the Renard Centre of Marine Geology, University of Ghent is the winner of our feedback prize draw competition. The draw is made from all customers who submit feedback on our products.

All competitions and draws are advertised on the Bartington Instruments website.



Bartington growth

Bartington Instruments has enhanced its capability to take on additional development projects with a move into a fourth building in the business park where we are based. The move into Unit 12 provides a dedicated facility for our Research and Development department.

Meanwhile Bartington has several new products scheduled for release next year. These include Supermag, a digital magnetometer; a three-axis digital gradiometer; and a new range of Mag-03 sensors.

Agent training announced for October

Bartington Instruments is continuing its programme of agent training with a further session scheduled for the week beginning 15th October 2012.

If attendees provide us in advance with details of particular areas they would like covered or specific training they would like to receive then this will be included in the agenda.

Detailed, hands-on personalised instruction has proved to be an excellent means of delivering information on our products, their uses and applications.

We invite agents who would like to attend to contact the company if they need financial assistance with travel expenses.

