

Hello Everyone,

GMW Associates and Bartington Instruments would like to update you on the latest product development in area of magnetic field generation, measurement and control for fields to 20G and frequencies from DC to 12kHz.

- Now in production is the [Mag614](#), a very compact (height of 11mm) high temperature (175°C) three-axis fluxgate probe, providing high accuracy in a very small package. Designed to plug onto a board of customer design, the probe can be supplied with the necessary documentation enabling a user to build their own PCB drive electronics.
- For requirements requiring even higher temperatures, the [Mag611](#) can reach 215°C with noise levels at 300pT and orthogonality better than $\pm 2^\circ$.
- For testing, measurement and calibration of fluxgate magnetometers or compass devices, Bartington now offer the CU2, closed loop module for use with the [HCx](#) series of [Helmholtz coil systems](#). The CU2 (when used with Bartington PA1 amplifier and CU1 control unit) enables users to actively cancel the Earth's magnetic field and low frequency variations (~30dB attenuation at 60Hz) and thus facilitating the accurate calibration of downhole tools. The range of coil sizes from 350mm up to 2m allows for partial or complete tools located inside the coils. By using non-magnetic ovens mounting within the larger coils, one can perform both room temperature and high temperature calibration. Also as part of these systems, low noise, National-Laboratory calibrated reference magnetometers are available.

GMW have examples of both the fluxgate magnetometers as well as Helmholtz Coil systems at our facility in San Carlos, CA. During the month of October, Bartington engineers will be available on site at GMW to host customers interested in applications support, magnetic metrology, and ongoing product development efforts at Bartington.

GMW will have a booth in San Antonio at [SPE-ACTE](#) in October, staffed by both Bartington and GMW engineers. We would be pleased to review applications at that time, either at conference or if you'd like to arrange a visit to your location.

Best Regards,

Brian Richter

PS – Please let me know if you are no longer interested in receiving updates from GMW. Thank you.

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