

BartingtonNews

the Newsletter from Bartington Instruments

Bartington sign re-sale agreement with Metrolab

Bartington Instruments is pleased to announce that we are now selling the Metrolab THM1176 family of compact, USB-powered, 3-axis magnetometers to complement our existing product range.

The series incorporates the Mag649, providing the sensor with USB connectivity and a handheld data acquisition system, and also includes a range of Hall effect probes that allow measurements up to 14T.



Bartington will be selling the THM1176 series worldwide.



Low Cost Fluxgate Magnetometers



Bartington Instruments is launching two new OEM products: the Mag646 single axis sensor and the Mag651 low power three-axis sensor.

The Mag646 is designed as our lowest cost fluxgate sensor and is ideal for OEM integration by the customer. Measuring ranges of ± 100 , ± 500 and $\pm 1000\mu\text{T}$ are available, as well as two orientations of the fluxgate element.

The Mag651 has a measuring range of $\pm 60\mu\text{T}$, a noise level of $10\text{-}20\text{pT}\text{rms}/\sqrt{\text{Hz}}$ at 1Hz, and a low power consumption, making the sensor ideal for integration into battery operated systems.

Applications for these sensors include surveillance, detection of magnetic materials and security systems.

New Mag-13 versions



Bartington Instruments is expanding its range of high performance Mag-13 sensors with the addition of standard and ultra low noise variants. There will now be four noise levels:

- Standard noise -** 6 -10pTrms/ $\sqrt{\text{Hz}}$ at 1Hz
- Low noise (L) -** <6pTrms/ $\sqrt{\text{Hz}}$ at 1Hz
- Very low noise (Q) -** <5pTrms/ $\sqrt{\text{Hz}}$ at 1Hz
- Ultra low noise (Z) -** <4pTrms/ $\sqrt{\text{Hz}}$ at 1Hz

All the noise options will be available with measuring ranges of ± 60 , ± 70 or $\pm 100\mu\text{T}$, in square section, cylindrical or submersible enclosures. Unpackaged versions are also

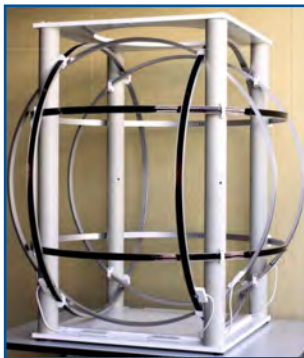
available. Standard noise models will include versions with measuring ranges of ± 500 and $\pm 1000\mu\text{T}$.

The Mag-13 range of sensors include electrical shielding and an integrated test coil.

They have a wide range of applications in defence, physics, bio-electromagnetics and geosciences.

www.Mag-13.com

Range of Ferronato® Helmholtz Coils



Bartington Instruments is now working with Serviciencia S.L. to provide a larger range of Helmholtz Coils.

This will enable us to offer coils up to 2 metres in diameter with our own PA1 Power Amplifier and CU1 Control Unit.

These low costs coils can be used in a range of applications including calibration of MWD (Measurement while Drilling) tools and characterisation of spacecrafts.

For further information on any of these products, please visit our website www.bartington.com or contact us at sales@bartington.com

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