

Product Range



Single Axis Fluxgate Magnetometers and Magnetic Field Sensors

Mag-01 & Mag-01H

Magnetometers with probes, direct readout, range 0.2 or 2mT for the measurement of induced and remanent magnetism or general purpose DC field monitor.

Mag-01HD/I System

Mag-01H with probe mounted on a Wild T1 non-magnetic theodolite for measurement of the declination and inclination of the geomagnetic field at observatories and for compass calibration.

Mag 592

Sensor with zero RF emission for MRI applications, ± 70 to $\pm 1000 \mu\text{T}$ full scale, DC to 2kHz.



Three-Axis Magnetic Field Sensors

Mag-03

High performance sensors with cylindrical, square and submersible enclosures ± 70 to $\pm 1000 \mu\text{T}$ full scale, DC to 3kHz. Standard versions typically 10pTrms/ $\sqrt{\text{Hz}}$ at 1Hz.

Low noise versions, typically 5pTrms/ $\sqrt{\text{Hz}}$ at 1Hz. Accessories include power supply, signal conditioning unit, data acquisition system, cables, calibration units.

Mag 585

Sensor with zero RF emission for MRI applications, ± 70 to $\pm 1000 \mu\text{T}$ full scale, DC to 2kHz.

Mag-03MRN

NASA specification for aerospace, high shock/vibration resistance, ± 45 or $\pm 60 \mu\text{T}$ full scale.

Spectramag-6

Six channel, 24-bit data acquisition system and spectrum analyser with simultaneous sampling of all channels and USB interface. Provision for two three-axis sensors for the measurement and analysis of magnetic field or vibration from DC to 3kHz. Applications include general magnetic measurements and pre-installation surveys for MRI systems.

Mag-03 compatible.



Single Axis Magnetic Gradiometers

Grad 601-1

A high-stability 1 metre separation vertical gradiometer system for geophysical surveys, archaeological prospection and pipe and cable location.

The integral datalogger, with 256k memory, provides electronic set-up and fast downloading of data using the Windows software provided.

Grad 601-2

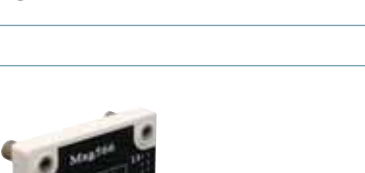
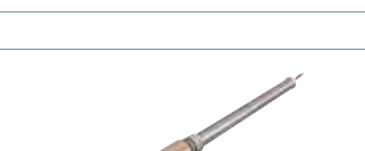
Grad 601-2 dual gradiometer system with sensors spaced at 1 metre for faster coverage of large area surveys. Carrying harness is provided.



Three-Axis Marine Magnetic Gradiometer

Grad-03-500M

Marine gradiometer with two three-axis sensors spaced at 500mm for operation to depths of 5000 metres. Analog correction unit for correcting scaling, offset and alignment differences.



MS2 Magnetic Susceptibility System

MS2 Meter

Used with the **MS2** sensors below for field and laboratory applications. Resolution to 2×10^{-6} SI (2×10^{-7} CGS). Applications in environmental sciences and archaeology.

MS2B

Dual frequency sensor with 36mm sample cavity for soil studies, palaeomagnetism, geomorphology and anisotropy measurements.

MS2C

Core logging sensors with diameters from 36 to 162mm for measurements on sediment cores.

MS2D

Loop with diameter of 185mm, used with MS2 Probe Handle for field surveys.

MS2E

Surface scanning sensor for measurements of split drill or sediment cores to 3.5mm resolution.

MS2F

Probe with diameter of 15mm, used with **MS2** Probe Handle for field surveys.

MS2G

Small sample sensor for 0.2 to 1ml powder or liquid samples.

MS2H

Down hole probe for 25mm diameter auger holes with applications in archaeology and stratigraphy.

MS2K

Surface scanning sensor for stratigraphy, identification of horizons and characterisation of outcrops.

MS2κ/T

System with water-cooled sensor for measurements from $-200\text{ }^{\circ}\text{C}$ to $+850\text{ }^{\circ}\text{C}$ with a 2.5ml sample. For investigation of magnetic mineralogy.



Borehole Magnetic Susceptibility Sonde

BSS-02B

Borehole susceptibility tool for 10,000 psi, 100°C operation. Calibrated for 50mm borehole. For mineral prospecting and stratigraphic correlation to depths of 6000 metres.

Both pulse rate and 24-bit digital outputs are available.



Surveillance Magnetometers

Mag566

Low cost, low power, miniature 3-axis fluxgate magnetometer, with $\pm 100\mu\text{T}$ range. Sensors and electronics are encapsulated in epoxy resin. Typical applications are vehicle surveillance and orientation control.

Specifications of the products described in this brochure are subject to change without prior notice.

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