

## Magnetometer Probe

The Magnetometer Probe measures the three orthogonal components of the total magnetic field in the formation as well as the dip of the borehole.

This probe boasts a high performance 3-axis fluxgate sensor and a 2-axis accelerometer. The sensors come in three versions according to their measurement noise floor: basic, standard, and low noise. These are used to obtain the values of the resultant of the anomalous vector components after the removal of the normal field. The probe comes with a choice of optional ranges and noise levels and the accelerometer allows for output correction in inclined boreholes.

### APPLICATIONS

- Detection of magnetic disturbances
- Detection of iron ore
- Geophysical exploration

### KEY FEATURES

- Choice of optional low, standard or basic noise level sensors
- Combinable (base of stack), digital probe

### SPECIFICATIONS

	MAG Sonde
Weight (kg)	3.5
Length (m)	0.71
Diameter (mm)	38
Optional Range per axis	$\pm 70\mu\text{T}$ / $\pm 100\mu\text{T}$ / $\pm 250\mu\text{T}$ / $\pm 500\mu\text{T}$ / $\pm 1000\mu\text{T}$
Optional noise level	<6, 6 to 10, and 10 to 20 pT rms/ $\sqrt{\text{Hz}}$ at 1Hz
Max. Pressure (MPa)	20
Max. Temp. (°C)	80
Borehole Condition	Water or air filled/open hole/PVC cased