

Magnetic Susceptibility Probe

This probe is a two coil electromagnetic sonde that measures apparent formation magnetic susceptibility. This is useful for the detection and evaluation of mineral deposits.

The volume magnetic susceptibility of a formation refers to the degree of magnetisation in response to an applied magnetic field.

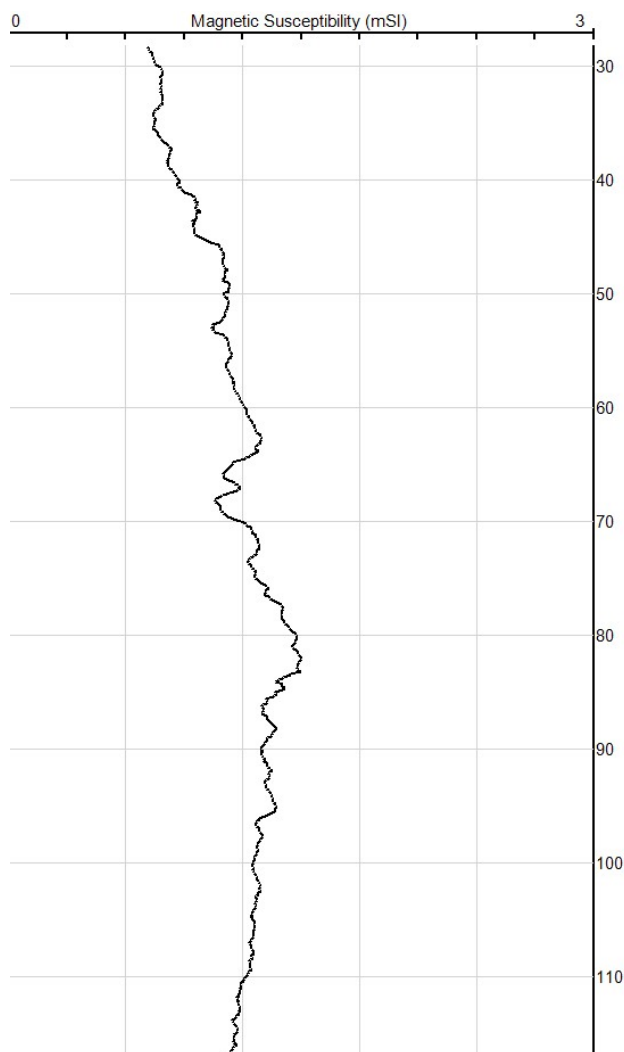
The Magnetic Susceptibility sonde is a useful tool in the exploration and evaluation of mineral deposits and in formation characterisation. It is particularly suited for iron and sulphide deposits.

APPLICATIONS

- Detection and delineation of mineralised formations
- Lithology and ore identification
- Ore quality correlation
- Formation characterisation

KEY FEATURES

- Combinable, digital probes
- Can work in mud, air-filled, and plastic lined boreholes.



SPECIFICATIONS

	MSusc Sonde	MSusc /Conductivity Combination Sonde
Weight (kg)	4.5	7
Length (m)	1.37	1.5
Diameter (mm)	45	45
TX-RX Spacings	30 cm	MSusc: 25 cm / Cond.:50 cm
Operating Frequency	2 kHz	MSusc: 2 kHz/ Cond.:100 kHz
Range	10^{-4} to 2 SI units	MSusc.: 10^{-5} to 0.5 SI units Cond.: 1 to 3000 mS/m
Max. Pressure (MPa)	20 (HP version @ 35)	20
Max. Temp. (°C)	80 (HT version @ 125)	80
Accessories	Test and calibration Jig, Stand-off	