



BSS-02A MAGNETIC SUSCEPTIBILITY PROBE

The BSS-02A borehole magnetic susceptibility tool operates with the MGX II Console and is typically used in mining applications, in particular to delineate kimberlite deposits. All electronic circuitry resides in a high strength non-magnetic enclosure and features a wide measuring range from 10⁻⁵ to 10⁻¹ cgs and will resolve strata down to 25 mm.

Technical specifications:

- Principle of Operation: AC induction by frequency discrimination
- Operating Frequency: 1.439 KHz
- Sensing Coil Type: Focused dual coil

Borehole Diameter Effect:

Diameter	Response Centralized	Response De-centralized
70 mm	0.75	0.725
80 mm	0.275	0.5
100 mm	0.009	0.45

Calibration:	Record 1 x 10 ⁻⁵ cgs directly in 50 mm borehole
Sensor Location:	16 cm from probe bottom
Diameter:	43 mm
Length:	86 cm
Operating Temperature:	0 - 120°C
Operating Pressure:	5,000 PSI
Weight:	4.75 Kg

