



## 2BSF-1000 MAGNETIC SUSCEPTIBILITY PROBE

The 2BSF-1000 (Bartington 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

<b>Calibration:</b>	Record $1 \times 10^{-5}$ cgs directly in 50 mm borehole
<b>Sensor Location:</b>	16 cm from probe bottom
<b>Diameter:</b>	43 mm
<b>Length:</b>	86 cm
<b>Operating Temperature:</b>	0 - 120°C
<b>Operating Pressure:</b>	5,000 PSI
<b>Weight:</b>	4.75 Kg

