



## 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<sup>-5</sup> to 10<sup>-1</sup> 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<sup>-5</sup> 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

