

Magnetic Susceptibility.

Measurement Principle

Magnetic susceptibility is a measure of the degree to which a substance may be magnetized.

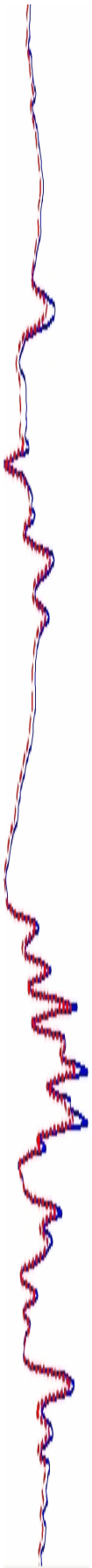
Magnetic susceptibility is measured using the inductive conductivity method utilising a two coil ring array.

The inductive conductivity method generates an electromagnetic field in the vicinity of the borehole and measures the response of the formation to this applied field.

Operation

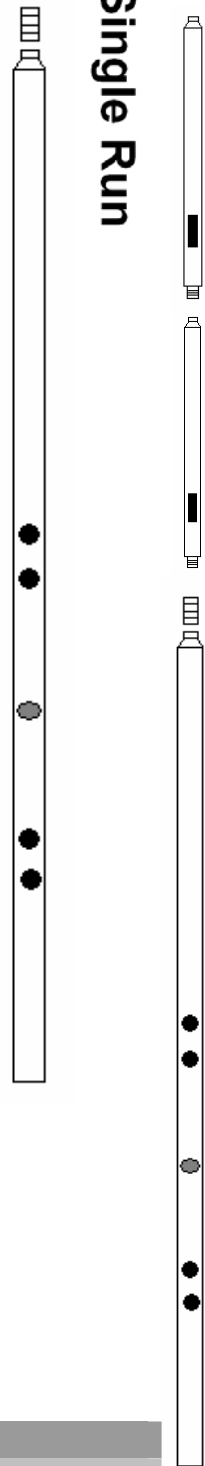
The magnetic susceptibility probe provides curves of magnetic susceptibility fluid and/or air filled boreholes and plastic lined boreholes.

The magnetic susceptibility probe is commonly run in a "stack" with the dual induction.



Combinable Probe Stack

Single Run



| PHYSICAL SPECIFICATIONS | |
|-------------------------|------------------------------------|
| WEIGHT | 6.5 kg |
| LENGTH | 2.00m |
| DIAMETER | 36mm |
| TX – RX SPACING | 15cm |
| FREQUENCY | 39 kHz |
| SUSCEPTIBILITY RANGE | 0 – 90 x 10 ⁻³ SI units |
| MAX. PRESSURE | 10 MPa |
| MAX. TEMP. | 50°C |