



## *magROCK* Magnetic Susceptibility Meter

The **MagROCK** is a new instrument incorporating the latest in display technology and sound physical principles that enable improved sensitivity and accuracy. By utilising a low 750 Hz measurement frequency and two ferrite cored coils, the *magROCK* has overcome problems often encountered by high frequency, smaller single coil devices such as:

- Erroneous readings caused by the simultaneous measurement of sample conductivity and susceptibility.
- Lack of penetration of the measurement beyond the surface of the sample.

The *magROCK* has been designed to be easy to use by non technical people. Readings are represented as both an analogue bar chart and a digital readout. Also, the menu is highly intuitive and the real-time scan mode enables readings to be optimised. Alternatively, there is a step mode for recording fixed readings on the display. Both modes can be saved to the extensive memory at the push of one button and the storage location is conveniently noted on the display.



### Main Features

- Highly Sensitive yet Stable (low noise) instrument
- Low frequency for deeper penetration of rock samples
- User friendly menu system. Can be used by non-geophysicists
- Reversible display for 'ease-of-reading' when upside-down
- Digital and graphical display
- Ruggedised with ergonomically designed case
- Large memory to record 30 sets of 128 readings = 3,840 total
- Data transfer by USB cable (waterproof connector)

## Other Features

- Reads in both SI and CGS units
- Easy to use with one hand
- Rugged and water-resistant (EP65 case)
- Fast zeroing (approx. 7 seconds)
- Can be operated remotely using a PC and a USB cable
- Scanning mode with audio to identify peak value
- Long battery life

## Accessories

The *magROCK* comes complete with:

- Leather belt pouch
- USB download cable
- Padded Pelican case
- Software
- Instruction manual

## Technical Specifications

Sensitivity:  $1 \times 10^{-5}$  SI Units

Range:  $1 \times 10^{-5}$  to 1.0 SI Units

Sensor Oscillating Frequency: 750 Hz.

Operating Modes: Scan or Step

Display Size: 5.8 x 3.0 cm

Power Source: 3 x AA alkaline batteries

Battery Life: 40 hours (using alkaline batteries)

Operating Temp. Range: 0° to +50°C

Storage Temp. Range: - 40° to +60°C

Dimensions: 16 x 8 x 4 cm

Weight of Instrument: 365g with batteries



## Further Information

For further information regarding the *magROCK*, either technical or sales, please contact:

Alpha Geoinstruments is a division of Alpha Geoscience Pty. Ltd.  
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The above Technical Specifications could change without notice.  
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