

magROCK_{v3}

Magnetic Susceptibility Meter

magROCK Features

- **High sensitivity** yet Stable (low noise) instrument
- **Low frequency** for deeper penetration of rock samples
- **User friendly** Menu System for non-geophysicist
- **Flags** for interval marker and end marker
- **Digital and analogue** display for easy reading of results
- **Ruggedised** with ergonomically designed case
- **Large Memory** stores 3 sets of 1,280 reading, total 3,840 individual reading
- **Reversible display** for 'ease of reading' when upside-down
- **Average function** allowing for the average of several readings
- Data transfer by **USB cable** (waterproof connector)
- Reads in **SI and CGS** Units



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.

Other Features

- **Display Mode** allows for the power to remain fixed on the readout and the decimal place floating
- Can be operated remotely using a PC and a USB cable
- Scanning mode with audio to identify peak value
- Easy to use with one hand
- Rugged and water-resistant (EP65 case)
- Long battery life
- Fast zeroing (approx. 7 seconds)

Accessories

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



Technical Specifications

Electrical

Sensitivity	1×10^{-5} SI Units
Range	1×10^{-5} to 10 SI Units
Sensor Oscillating Frequency	750 Hz.
Processor Speed	14 MHz
Operating Mode	Single reading or Continuous

Mechanical

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 deg C.
Storage Temp. Range	-40 to 60 deg C.
Dimensions	16 x 8 x 4 cm
Weight of Instrument	365 gm with battery

Further Information

For further information regarding this product, either technical or sales, please contact:



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