AGICO JR-6 Spinner Magnetometer

Make: Advanced Geoscience Instruments Company (AGICO), Czech Republic

Model: JR-6 Dual Speed Spinner Magnetometer

Specifications:

- Measurements of remanent magnetization (NRM, ARM, IRM)
- High sensitivity
- Measurement over 11 magnitudes (10^{-6} - 10^{4} A/m)
- Two speeds of rotation (high and low)
- Easy operation

Description:

This is the most sensitive and accurate instrument for measurement of remanent magnetization of rocks based on classical (non-quantum, non-cryogenic) principles. Its outstanding sensitivity enables even rocks with very weak remanent magnetization to be measured, for example, various sedimentary rocks including limestones and quartzites.

Principle:

Rock specimen of defined size and shape rotates at a constant angular speed in the pick-up unit inside a pair of coils. An AC voltage is induced in the coils whose amplitude and phase depend on the magnitude and direction of the magnetic remanence vector of the specimen. The voltage is amplified, filtered and digitized. By Fourier analysis the computer calculates two rectangular components of the projection of remanent magnetization vector into the plane perpendicular to the axis of rotation.

Technical specifications:

Sensitivity	2.4×10^{-6} A/m (high speed)
Measuring range	Upto 12500 A/m
Speed of rotation	87.7 rps and 16.7 rps
Accuracy of absolute calibration	±3 %

Specimens to be measured:

Cylinder (regularly shaped specimens)	
Diameter	25.4 ± 1 mm
Length	22.0 ± 1 mm
Cubes	23×23×23mm

User Instructions:

1. Each requisition should be addressed to Director, BSIP for allotment of analysis date
2. Payment is to be made in advance through bank draft in favour of "**Director, BSIP, Lucknow**". Kindly visit our website for the updated rate-list
3. Data generated will be provided on CD or DVD
4. Sediment/Soil samples should be fully packed in 10 cc plastic bottles

Contact Us:

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Analysis cost: See analytical cost list as attached below