

PSM

Portable Spinning Magnetometer





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The Portable Spinning Magnetometer (PSM) is used to measure remanent magnetisation of one-inch cylindrical samples. It has a rugged, lightweight design, comes complete with tripod, and has a battery that lasts up to 5 days (depending on intensity of use), making it ideal for tabletop and field work. It can be operated standalone using its LCD display, or can be connected to a computer via USB cable. The included software allows for remote operation of the device, plus storage, manipulation and presentation of data captured.

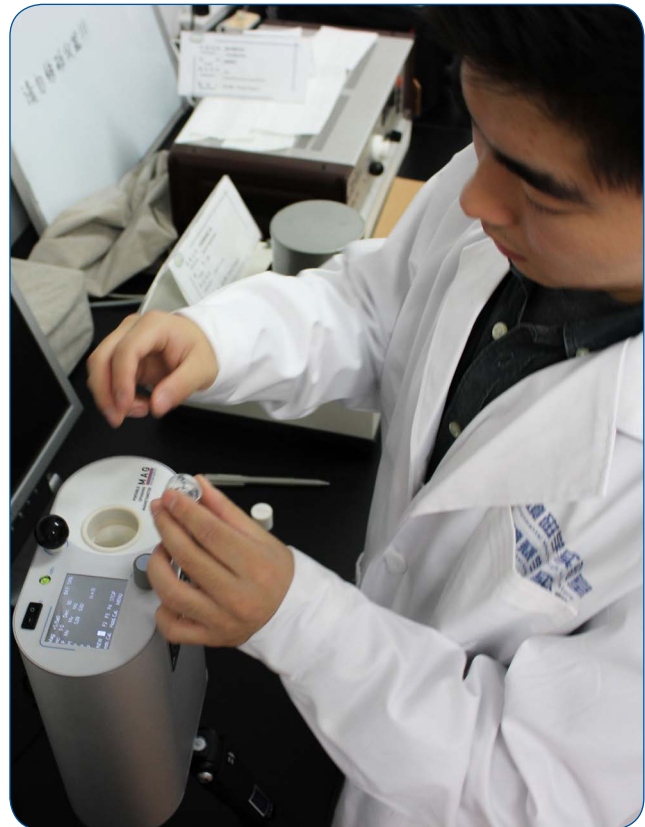


Features

- Range 1×10^{-3} to 1×10^4 A/m
- Sensitivity 1×10^{-4} A/m
- Precision $< 5\%$
- Continuous measurement time > 10 hours
- LCD display for standalone measurement

Typical Application

- Paleomagnetism



Product Identification

Product name	Description
PSM	Portable spinning magnetometer

PSM Specifications

Performance	
Measuring range	1×10^{-3} to 1×10^4 A/m
Sensitivity	1×10^{-4} A/m
Calibration error	<5%
Continuous measurement time	>10 hours
Spinning frequency	2Hz
Screen	Colour LCD screen

Mechanical	
Dimensions (W x H x L)	200x270x100mm
Sample size	cylinder $\varnothing 1 \times 1$ inch
Weight	3.5Kg

Electrical	
DC power supply	12-20V (recommended 19V)
Battery	15V DC 3.2Ah
Operating battery life	2-5 days depending on intensity of use. May be recharged using a mains powered charger, or powered from vehicle lighter (12V)
Software/driver	Software to store, process and present results of measurements

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