

SM-30 Magnetic Susceptibility Meter

High Sensitivity - 1×10^{-7} SI

The SM-30 is a high sensitivity magnetic susceptibility meter measuring down to 10^{-7} SI units. It is designed for measurement of rocks and sediments with very low susceptibility, yet is still autoranging through the full scale up to 0.1 SI units. It features a large 50mm sensor that allows the instrument to measure the first 20mm of the surface. This deeper penetration yields better readings from uneven surfaces.



The small size of the SM-30 allows it to be carried without any thought. Accurate measurements may be made on materials such as limestone, quartz, and even water.

Four operating modes offer various methods of drift compensation, as well as a scan mode. Power is from two small lithium camera type batteries that will typically give 80 hours of operation. As the SM-30 features an automatic shut off after three minutes the batteries can be expected to last quite some time.

The SM-30 offers an internal memory of 250 readings with data transfer cable and software provided as standard. An audio tone provides indication of instrument function during operation. Easy to carry, easy to use, and sensitivity to measure most any sample of interest, the SM-30 is an indispensable tool for every geologist.

Specifications:	Sensitivity	1×10^{-7} SI	Power	Two Lithium CR2430
	Operating Frequency	9KHz	Battery Life	80 Hours Typical
	Display	Four Digit LCD	Operating Temperature	-20°C to 50°C
	Sensor	50mm Coil	Weight	6 Ounce(0.180 Kg)
			Size	4x2.5x1"(100x65x25mm)

Standard System: SM-30, leather case, RS232 cable, data transfer software, manual

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