



## **SM-5 NAVMAG**

### Magnetic Mapping

# SM-5 Navmag™ SPECIFICATIONS

The SM series Cesium vapour magnetometers have been successfully used for many years as a mineral and oil & gas exploration tool.

Magnetometry is commonly used for iron ore exploration, geological mapping, archaeological exploration and geotechnical applications.

Sensor:	Self-oscillating split-beam Cesium Vapor (non radioactive Cs133) automatic hemisphere switching. Single sensor is standard. Optional second sensor (gradiometer). Standard systems are field upgradeable.	
Data capacity:	Up to 8 million readings in internal flash.	
Operating Zones:	10°- 85°	
Data output:	USB and Memory stick	
Internal GPS Accuracy:	±1.5m	
Resolution:	Connects to most external GPS receivers with NMEA and PPS output 0.01 nT(gamma) for all sample rates.	
Sensitivity:	<0.003 nT (gamma) $\sqrt{\text{Hz}}$ RMS	
Sample Rate:	User selectable 1,2,5,10 samples per second.	
Gradient Tolerance:	40,000 nT(gamma)/m	
Display:	Full VGA colour display	
Heading Error:	<±1 nT (gamma)	
Standard Software:	QCTool for QC and simple contour plotting	
Operating Temperature:	-30°C to +50°C (-22°F to 122°F)	
Battery Life:	8 hours at 25°C (77°F)	
Dimensions and Weights:	Console:	218 mm x 182.8 mm x 198 mm (8.6" x 7.2" x 7.9")
	Weight:	2 kg (4.85 lbs)
	Backpack:	4 kg (8.8 lbs)
	Batteries:	Qty. 4 @ 1.7 kg each (3.75 lbs)
	Staff and harness:	0.9 kg (1.98 lbs)

## OPTIONS

Additional Cesium Sensor  
Base Station Accessories Kit  
External GPS  
Software Packages  
Training Programs

ISO 9001:2000 registered company. All specifications are subject to change without notice.

Specification Sheet Part Number 872711 Revision 2



### CANADA

**Scintrex**  
222 Snidercroft Road  
Concord, Ontario L4K 2K1  
Telephone: +1 905 669 2280  
Fax: +1 905 669 6403  
e-mail: [scintrex@scintrexltd.com](mailto:scintrex@scintrexltd.com)  
Website: [www.scintrex.com](http://www.scintrex.com)



### USA

**Micro-g LaCoste**  
1401 Horizon Avenue  
Lafayette, CO 80026  
Telephone: +1 303 828 3499  
Fax: +1 303 828 3288  
e-mail: [info@microglacoste.com](mailto:info@microglacoste.com)  
Website: [www.microglacoste.com](http://www.microglacoste.com)