

**NEW**



## **ENVI Cs MAGNETOMETER**

Next Generation Mag

# ENVI Cs™ MAGNETOMETER SPECIFICATIONS

The Scintrex ENVI Cs Cesium Vapour magnetometer is the next advancement in magnetometers using the latest hardware available. It takes the well proven predecessor the ENVI MAG and modernizes it with today's technology. The ENVI Cs is a continuous reading magnetometer with high sensitivity, now more affordable, compared with lower sensitivity continuous magnetometers.

Magnetometry is commonly used for mineral exploration, geological mapping, archaeological investigations and environmental 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
Operating Zones:	10-85 Degrees
Data output:	Active Sync (RS-232C), USB, USB Flash Drive and SD Card
GPS Accuracy:	2.4m (CEP) and 6m (2DRMS) SBAS, Logged at 0.5Hz
Resolution:	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:	1,000 nT ( $\gamma$ ) per inch (40,000 nT( $\gamma$ )/m)
Display:	LCD touchscreen and colour display with adjustable LED backlighting
User Interface:	Full keypad and 6 function dedicated keys
Heading Error:	< $\pm$ 1 nT ( $\gamma$ )
Real Time Clock:	Accurate synchronization to GPS via NMEA String
Standard Software:	Scintrex Map Registration and Setup. QCTool quality control and display tool
Console:	230mm x 185mm x 60mm (9.0" x 7.3" x 2.3") Weight: 1.3 kg (2.9 lb)
Sensor:	Diameter: 63 mm (2.5"), Length: 160 mm (6.3") Weight: 1.5 kg (2.3 lbs)
Sensor Electronics:	Dimension: 230 x 56 x 38mm (9" x 2.2" x 1.5") Weight: 600g (1.3 lb)
Backpack:	4 kg (9 lb)
Battery pack:	3 kg (6.6 lb) each, can use up to 2 batteries packs.
Power:	External Power: 21 – 24 VDC Battery Charger: Standard 120/240V AC
Environmental:	Operating temperature: -20°C (-4°F) to +50°C (122°F) Storage temperature: -30° C (-22°F) to +70°C (158°F)

## OPTIONS

Processing Software - Additional Cs Sensor – Additional Battery Pack

An ISO 9001:2008 registered company

All specifications are subject to change without notice

Part Number 792711

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