



*ENVI MAG -
A lightweight,
portable, user-
friendly proton
magnetometer
system*

ENVI
Geophysical System

ENVI GEOPHYSICAL SYSTEM SPECIFICATIONS

Total Field Operating Range:	23,000 to 100,000 nT (gammas)
Total Field Absolute Accuracy:	±1 nT
Sensitivity:	0.1 nT at 2 second sampling rate
Tuning:	Fully solid state. Manual or automatic, keyboard selectable
Cycling (Reading) Rates:	0.5, 1 or 2 seconds
Gradiometer Option:	Includes a second sensor, 1/2m (20 inch) staff extender and processor module
“WALKMAN” Mode:	Continuous reading, cycling as fast as 0.5 seconds
Digital Display:	LCD “Super Twist”, 240 x 64 dots graphics, 8 line x 40 characters alphanumeric
Display Heater:	Thermostatically controlled, for cold weather operations
Keyboard Input:	17 keys, dual function, membrane type
Notebook Function:	32 characters, 5 user-defined MACRO’s for quick entry
Standard Memory:	Total Field Measurements: 28,000 readings Gradiometer Measurements: 21,000 readings Base Station Measurements: 151,000 readings
Digital Data Output:	Real-Time Clock: Records full date, hours, minutes and seconds with 1 second resolution, ± second stability over 24 hours RS-232C interface, 600 to 57,600 Baud, 7 or 8 data bits, 1 start, 1 stop bit, no parity format. Selectable carriage return delay (0-999 ms) to accommodate slow peripherals. Handshaking is done by X-on/X-off. High speed Binary Dump. Selectable formats for easy interfacing to commercial software packages. For Microsoft Vista is users, a license for Scintrex Data Logger or Hyperterminal application software is required in order to download data.
Power Supply:	Rechargeable “Camcorder” type, 2.3 Ah. Lead-acid battery. 12 Volts at 0.65 Volt input for base station operations. Optional battery pouch for cold weather operations.
Battery Charger:	110 Volt – 230 Volt, 50/60 Hz
Operating Temperature Range:	Standard: -40° to 60° C
Dimensions & Weight:	Console: 250mm x 152mm x 55mm (10” x 6” x 2.25”) 2.45 kg (5.4 with rechargeable battery) Magnetic Sensor: 70mm x 175mm (2.75” d x 7”) 1 kg (2.2 lbs) Gradiometer Sensor: 70mm x 675mm (2.75” d x 26.5”) With Staff Extender: 1.15 kg (2.5 lbs) Sensor Staff: 25mm x 2m (1”d x 76”) .8 kg (1.75 lbs) Electronics: 1.7 kg (3.7 lbs)

OPTIONS

Base Station Accessories Kit - Software Packages - Training Program

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

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CANADA

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