



ENVI
Geophysical System

ENVI GEOPHYSICAL SYSTEM SPECIFICATIONS

Total Field Operating Range

20,000 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

VLF Option

Includes a VLF sensor and harness assembly

“WALKMAG” 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
VLF Measurements: 4,500 readings for 3 frequencies

Real-Time Clock

Records full date, hours, minutes and seconds with 1 second resolution, ± second stability over 24 hours

Digital Data Output

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

Power Supply

Rechargeable “Camcorder” type, 2.3 Ah. Lead-acid battery. 12 Volts at 0.65 Amp for magnetometer, 1.2 Amp for gradiometer. External 12 Volt input for base station operations. Optional external 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 55 mm (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: (with staff extender)	70mm x 675mm (2.75" d x 26.5") 1.15 kg (2.5 lbs)
Sensor Staff:	25mm x 2m (1" d x 76") .8 kg (1.75 lbs)
VLF Sensor Head:	140mm x 130mm (5.5" d x 5.1") 1.7 kg (3.7 lbs)
VLF Sensor Electronics:	280mm x 190mm x 75mm (11" x 7.5" x 3") 1.7 kg (3.7 lbs)

Options

Base Station Accessories Kit
Software Packages
Training Programs

An ISO 9001:2000 registered company

NOTE: Specifications are subject to change without notice



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