



# GeoExplorer II

## *Specifications*

### Features

- Small, lightweight, pocket-sized design
- Integrated high-performance six-channel GPS receiver and antenna
- 2-to-5 meter accuracy after differential correction
- GPS Pathfinder® Office software
- Carrier phase processing software for submeter accuracy
- Records points, lines, and areas
- Powered by off-the-shelf AA batteries
- Tracks up to 8 GPS satellites
- ¼ Megabyte internal memory for storage of over 9,000 three-dimensional GPS positions
- User-selectable map coordinate system display
- GPS satellite status including Az, El, URA, and SNR
- Average position function
- Screen backlight for night time operation
- ASCII, RTCM SC-104 and XMODEM serial protocols
- Carrying case with belt loop
- Navigation functions, including range, bearing, cross-track error, and storage for 99 waypoints
- Real-time differential GPS capability using RTCM SC-104 standard input
- CE Mark approved

### Options

- External power kit: includes rechargeable camcorder battery and vehicle cigarette lighter adapter
- External antenna: magnetic or range pole mount

### Physical Characteristics

Size:	17.3 cm W x 8 cm D x 4 cm H
Weight:	0.4 kg (14 oz.) with AA battery pack
Power:	2.0 watts
Operating temperature:	-10°C to +50°C
Storage temperature:	-20°C to +70°C
Humidity:	90%, non-condensing

### Technical Specifications

Update rate:	Minimum internal once every 0.7 sec
Time to first fix:	<2 minutes, 2D (typical) <3 minutes, 3D (typical)
Tracking:	6 channels parallel/sequential L1 C/A code
Battery:	Runs on 4 standard AA alkaline batteries or optional external rechargeable battery