



## GP-101 Sport tracker/Guide Mate

### FEATURES

- GPS position, Provides real time info on latitude, longitude, direction, time and speed.
- Finder/ The estimate straight line distance measuring of the back track
- 3 Back Track / Point of Interest points
- Built-in digital compass
- The thinnest tracker device and large backlit LCD screen
- Support cycling, walking modes
- 2M Bytes flash memory for data logging, with 16 bytes binary data per record that stores up to 200,000 data records
- Log data can be exported to mapping software such as Google Earth and TrackMaker
- Logging data interval programmable: by time or distance
- Rechargeable and replacement Li-ION battery
- Low power consumption; operate up to 22/20 hours (backlight off/on)
- Dimension:79.8x45.2x14.5 mm

**Canmore** GP-101 provide the GPS handheld device in IPX4 waterproof level for Anti-Splash . GP-101 is the easiest to use personal location finder. Just mark the location and Back Track will get you back to the location with ease and precision of GPS technology. Application for: Sporting, Hiking, Fishing, Parking, Travel.

The GP-101 is optimized for good performance and low cost. Its 65 parallel channels and Venus 6 search bins provide short start-up time and fast signal acquisition. Having fast time-to-first-fix and high sensitivity, the GP-101 offers good navigation performance even in urban canyons.

The GP-101 is capable of keeping up to 200,000 records or positions, including longitude, latitude, speed, UTC, and tag data. The location histories can be exported to mapping software such as Google Earth or TrackMaker.

Satellite-based augmentation systems, such as WAAS and EGNOS, are supported to yield improved accuracy.

The onboard patch antenna provides good signal reception. It provides fast satellite signal acquisition and short startup time. Acquisition sensitivity of  $-155\text{dBm}$  and tracking sensitivity of  $-160\text{dBm}$  offers good navigation performance even in urban canyons having limited sky view.

## TECHNICAL SPECIFICATIONS

|                           |   |                    |  |
|---------------------------|---|--------------------|--|
| Receiver Type             | 65 parallel channels, L1 C/A code   |                    |  |
| Accuracy                  | Position  | 5m CEP             |  |
|                           | Velocity  | 0.1m/sec           |  |
| Startup Time<br>(average) | < 1sec hot start<br>< 30sec cold start  |                    |  |
| Signal Reacquisition      | 1s  |                    |  |
| Sensitivity               | -155dBm Re-acquisition<br>-160dBm tracking<br>-147dBm Cold Start                              |                    |  |
| Update Rate               | 1Hz standard  |                    |  |
| Dynamics                  | 4G (39.2m/sec <sup>2</sup> )  |                    |  |
| Operational Limits        | Altitude < 18,000m or velocity < 515m/s<br>(COCOM limit, either may be exceeded but not both) |                    |  |
| Protocol                  | NMEA-0183 V3.01<br>GPGGA, GPGLL, GPGSA, GPGSV, GPRMC, GPVTG                                   | 9600 baud, 8, N, 1 |  |
| Datum                     | Default WGS-84<br>User definable  |                    |  |
| Dimension:                | 79.8x45.2x14.5 mm   |                    |  |
| Weight:                   | 53g (Including Battery)   |                    |  |
| IO Interface              | USB interface(Mini-USB connector)   |                    |  |
| LED Indicator             | Blue – Charging battery (the light will off after finishing)                                  |                    |  |
| Key/button                | Three button: Power; Down/Enter; Up/ESC   |                    |  |
| Display                   | 128*128 dots; 1.8"  |                    |  |
| Battery                   | For battery socket Li-ION rechargeable battery (700 mA)                                       |                    |  |
| Input Voltage             | 5V DC   |                    |  |
| Power Consumption         | Low power consumption; operate up to 20/22 hours (backlight off/on)                           |                    |  |
| Operating Temperature     | -10°C ~ +60°C   |                    |  |
| Storage Temperature       | -20°C ~ +70°C   |                    |  |
| Waterproof                | IP43  |                    |  |



## Mechanical Dimension

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