



QUATECH
CONNECT WITH RELIABILITY

GPSR-001B: Bluetooth GPS Receiver



Features

- Compact design
- Lightweight
- Ultra low power-up to 20 hours of use after being fully charged
- Built-in Antenna
- Foliage Lock
- 16 Channel All in View Parallel Processing
- Windows 98/2000/XP and PocketPC support
- GPSInfo Test Software Included
- Optional Microsoft Streets and Trips Software
- 1 year Warranty

Specifications

General		Accuracy	
GPS Chip	NEMERIX GPS Module	Position	
Frequency	L1, 1575.42MHz	3 meters CEP (50%), without SA (Horizontal) 7 meters (90%)	
C/A Code	1.023MHz chip rate	Velocity	0.1 m/sec. without SA
Channels	16 CH all in view tracking	Time	±100 ns synchronized to GPS time
Antenna (Internal)	Built-in low noise	Datum	
External Antenna Port Active MMCX Antenna		WGS-84 (or as demanded)	
Sensitivity		Dynamic Conditions	
To -147 dBm Tracking, Superior Urban Canyon Performance		Altitude	<18,000m
Acquisition Rate		Velocity	<515m/sec
Cold Start	45 sec, average	Acceleration	<4g
Warm Start	38 sec, average	Jerk Motion	20 m/sec.
Hot Start	10 sec, average	Interface	
Reacquisition	100 ms, average	Communication Protocol	
Accuracy		Communicate with host platform via	
Position	5m CEP (50%), 9m (90%)	Bluetooth (2) serial port profile	
Velocity	0.1m/sec, without SA	Bluetooth communication distance 10 M. TYP.	
Time	±100ns synchronized to GPS time	GPS Protocol	
Power		Default: NMEA-0183 (V3.01) – GGA, GSA, GSV, RMC,	
Built-in rechargeable 850mAh Li-ion battery and 5 V DC input		Update interval 1 second (Default)	
Operation Current	45mA (Typical)	Baud rate 9600 bps (Data bit: 8, stop bit: 1)	
Operation Time	20hrs, after fully being charged, in continuous operation	Device Size	
Charging time	2.5hrs. (Typical)	81 (L) X 44 (W) X 20 (H) mm	
Environmental		3.2 (L) X 1.75 (W) X 0.79 (H) inch	
Operating Temperature	-20°C to +60°C	Accessories	Car charger (12V in, 5V output)
Relative Humidity	5% to 90% non-condensing		AC adaptor (5V output, 500ma)