

AG-200

GPS Receiver

Acore AG-200 series GPS is a mouse type, high quality, high sensitivity, but low cost GPS Receiver. It can easily and quickly connect with other device like PDA, Notebook, PC or embedded system through RS232 or TTL or USB cable, as a complete position system.

Suitable for Fleet Management, Car Navigation, Marine Navigation, Auto Pilot, AVL and Location-Based Services, Personal Navigation or touring devices, Tracking devices/systems and Mapping devices application



- Excellent satellite signal sensitivity
- Compact size, light weight
- Strong magnet inside



Pda with car charger



USB cable

Physical Dimension

Size: 65 (W) x 49 (D) x 25 (H) (mm)

Environmental Characteristics

Operating temperature: -10°C to +70°C
Storage temperature: -55°C to +100°C
Humidity range: 5%~95% no condensing

Power Characteristics

Input voltage: +4.75 ~ 5.5 VDC without accessories
Backup power: 3V Rechargeable Lithium cell battery, up to 500 hours discharge.

Datum

Default: WGS-84

GPS Performance

Tracks up to 12 satellites.
Update rate: 1 second.
Acquisition time
 Reacquisition 0.1 sec., average
 Hot start 8 sec., averaged
 Warm start 38 sec., averaged
 Cold start 45 sec., averaged
position accuracy: 5-25 meter CEP without SA
Velocity 0.1 meters/second, without SA
EGNOS/WAAS/Beacon
 < 2.2 meters, horizontal 95% of time
 < 5 meters, vertical 95% of time

Interfaces

Connection: RS232/TTL
Protocol: NMEA 0183 format (default), and Sirf Binary format
baud rate: 4800, N,8,1 (default)

微西科技股份有限公司

Acore Technology Inc.



4F, No. 1008-3, Sec.4 Chung-Hsing Road
Chu-Tung, Hsin-Chu, Taiwan
TEL: 886-3-5832872 FAX: 886-3-5832877
www.acoretech.com