



Detail

▶▶ NEW Products! ▶▶ MR-350

Products Name: GPS Receiver

Products no.: MR-350

The MR-350 GPS Receiver can be utilized in a variety of applications that require a permanent mounting configuration. With bulkhead (through-hole) mounting and a low-profile housing, the MR-350 is completely self-contained and waterproof. It incorporates the latest SiRF Star III GPS chipset and an active patch antenna so you receive a high degree of GPS accuracy.

Typical application can include marine environments, aviation, commercial use such as fire truck, police cars and utility vehicles and buses. The extended 15' cable allows for easy routing to your PC behind headliners and side panels and terminates to a custom PS/2 connector for interfacing with one of the **OPTIONAL** available cable kits that is purchased separately (USB/RS232).

Feature:

1. SiRF star^{III} High Performance GPS chip set
2. High sensitivity (Tracking Sensitivity: -159 dBm)
3. Extremely fast TTFF (Time To First Fix) at low signal level
4. Support NMEA 0183 data protocol
5. Built-in SuperCap to reserve system data for rapid satellite acquisition
6. Built-in patch antenna
7. **(OPTIONAL)** RS232 interface or USB interface
8. Waterproof
9. For Marine Navigation, Car Navigation or Fleet Management etc.

Specification:

General

Chipset: SiRF Star^{III}
Frequency: L1, 1575.42 MHz
C/A code: 1.023 MHz chip rate
Channels: 20 channel all-in-view tracking
Sensitivity: -159 dBm

Accuracy

Position: 10 meters, 2D RMS
Velocity: 0.1 m/s
Time: 1 us synchronized to GPS time



Datum

Default: WGS-84

Acquisition Time

Reacquisition: 0.1 sec., average

Hot start: 8 sec., average

Warm start: 38 sec., average

Cold start: 42 sec., average

Dynamic Conditions

Altitude: 18,000 meters (60,000 feet) max
Velocity: 515 meters /second (1000 knots) max
Acceleration: Less than 4g
Jerk: 20m/sec x 3

Power

Main power input: 4.5V ~ 6.5V DC input
Power consumption: 70mA

Protocol

Baud rate: 4,800 bps
Output message: NMEA 0183 GGA, GSA, GSV, RMC, VTG, GLL

Physical Characteristics

Dimension: 62mm diameter, 21mm height
Cable length: 4.5 meters (15 feet)
Operating temperature: -40°C to +85°C