

GM-5G

GPS Receiver

- **GPS receiver with antenna**
- **Small dimensions**
- **Industrial quality**
- **U-blox-8 chipset**
- **GPS / Glonass / QZSS / SBAS L1**
- **Waterproof**
- **RS232 or USB connection**

Description:

The GM-5G is a very small GPS receiver with a magnetic base and threaded holes for screw mounting.

It has a waterproof housing with an integrated antenna

The device offers a compact solution for locating vehicles and navigating at sea.

The GM-5G provides real-time position & speed in NMEA 0183 format on an RS232 or USB interface.

This device can work with any NMEA compatible navigation software.

Applications:

- Navigation and positioning
- Allows streets & routes to be displayed using GPS map software
- Travel and route planning
- Position and time information
- Robotics
- Agricultural applications



GM-5G Technical Data

Mechanical:

Dimensions mm (LxWxH) 58 x 48 x 15

Weight (without cable): 68g

Mounting: magnetic + screwed holes

Housing colour: dark grey (standard)

Environmental:

Operating temperature: -30°C ~ +80°C

Storage temperature: -40°C ~ +80°C

Communications:

Protokol: NMEA 0183 V4,0

Interface: RS-232
or 5V USB

NMEA Sentences:

Output: GGA,RMC,GSV,GSA,VTG,GLL
(Standard)

Performance:

Antenna: Ceramic patch

Sensitivity: -164 dBm

Architecture: 32 parallel channels

Start-up time (typical): 3s (hot start)
35s (warm start)
41s (cold start)

Positional accuracy: Autonomous Pos. Error
2,5 m CEP

Max. Speed: 500 m/s

Max. Height: 50 km

Update Rate: 1Hz (standard) bis 10Hz

Supply voltage: 5V DC

Current: Acquisition: 59 mA
Tracking: 33 mA

Baud Rate: 9600 (standard)
Option: 4800/19200/
38400/57600/115200

Contents:

RS232 Version:

Receiver
5m cable with PS2 Connector
12V Car Adapter on PS2

USB Version:

Receiver
2m cable with USB Type A

Ordering information:

GM-5G-RS232 RS-232 version
GM-5G USB version

Contact data:

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USB version



RS-232 version

Mechanical Drawing:

