

GPS-Receiver (“Mouse”), GM-5G



Description

The GM-5G is a very small GPS receiver with a magnetic base, as well as threaded holes for a screw mounting. It has a waterproof case with an integrated antenna.

The device offers a compact solution for locating vehicles as well as navigating the sea. The GM-5G provides real-time, position and directions in NMEA 0183 on the RS232 or USB interface.

This device can work with any NMEA compatible navigation software.

- GPS receiver with antenna
- Small dimensions
- Industrial Grade
- U-blox-8 Chip Set
- GPS / Glonass / QZSS / SBAS L1
- Waterproof
- RS232 or USB port

Applications

- Navigation and Positioning
- Enables road & route display through GPS mapping software
- Travel and route planning
- Position and time indication
- Robotics
- Agricultural applications

Specifications

Specifications		
Mechanical Data	Dimensions mm (LxWxH)	58 x 48 x 15
	Weight (without cable)	68g
	Assembly	magnetic + threaded holes
	Case colour	dark grey
Environment conditions	Operating temperature	80°C ~ -30°C
	Storage temperature	80°C ~ -40°C
Communication	Protocol	NMEA 0183 V4,0
	Interface	RS-232 or. 5V USB
NMEA Sentences	Initial Sentences	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)
	Position Accuracy	Autonomous Pos. Error 2,5m CEP
	Velocity	500 m/s
	Height	50 km
	Update Rate	1Hz (standard) bis 10Hz
	Power	5V DC
	Electricity consumption	Acquisition: 59 mA / Tracking: 33 mA
	Baud Rate	9600 (Standard Option: 4800/19200/38400/57600/115200

Content:

RS232 version:

Receiver
5m cable with PS2 connector
12V Car Adapter to PS2

USB version:

Receiver
Fixed 2m cable with USB Type-A

Ordering Information:

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

Datasheet GM-5G

Photos / Mechanical Drawing



USB version



RS-232 version

Mechanical Drawing:

