

GNSS Receiver RS-232, GM-48M



Description

The GM-48W is a modern, versatile receiver suitable for a wide range of applications.

Features:

- GPS/GLONASS/QZSS/SBAS
- SBAS incl. WAAS/EGNOS/MSAS
- Flat housing
- IP67 Weatherproof
- RS-232 Signal Output
- Low power consumption
- Magnetic attachment

Application

- Vehicle navigation
- Marine GPS
- Asset tracking (tracking of assets and equipment)
- Surveillance systems

Specifications

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Mechanical	Construction	High-impact Plastic
	Dimensions	56mm Diameter x 21,5mm high
	Weight	80g (without Kabel)
	Assembly	Magnetic
HF-Element	Band	GPS L1 / GLONASS
	Medium Frequency	1575,42 MHz / 1602 MHz
	Efficiency	39,99% / 30,83%
	Average. Gain	(-3,98) dBi / (-5,11) dBi
	Top Gain	1,81 dBi / 1,08 dBi
	Polarization	RHCP (Right Hand Circular Polarisation)
	Output Impedance	50 Ohm
Communication	Protocol	NMEA 0183 V4.0
	Interface	RS-232
	Records (configurable)	GGA, GLL, GSA, GSV, RMC, VTG
	Update rate	1s.
	Baud rate	9600
Electric	Supply voltage	5V (8-35V Options)
	Electricity consumption	75 mA typical / 42 mA typical @ 12VDC
Receiver Performance	Chipset	uBLOX
	Type	GPS L1C/A, GLONASS L1OF, SBAS L1C/A, QZSS L1C/A
	Channels	72 parallel
	Sensitivity	(-164)dBm
	SBAS	WAAS, EGNOS, MSAS
	TTF	Warm start: 1s typ. / Cold start 26s typ.
	Positional accuracy	2.5m (50% CEP)
	Velocity	0.05 m/s Accuracy
Environmental conditions	Operating temperature	(-30)°C ~ +80°C
	Storage temperature	(-40)°C ~ +85°C
	Watertightness	IPX7 Waterproof