

Mini Universal GPS Speed Sender

GPS Speed Sender (Mini Size, Universal Type)

1. Application: All kinds of Speedometer, Tachograph

- High Accuracy only 0.2% deviation (mechanical speed sensor will be 3~5% deviation)
- Anti-GPS Stationary Drift technology.
- Support both Negative & Positive Pulse output with Max 50,000pulses/km
- Compatible with different gauges with programmable speed ratio and lowest 0.5km/h speed to start.
- Output two speed signals which are reverse
- Shockproof and Circuit Protection design
- Pulse/Odometer Compensation when in Tunnel or under Bridge Default Speed Ratio: 5000ppk (5000 pulses per km)
- High quality GPS Active Antenna which performs well in windy or heavy rainy weather.
- Mini Size: 4.5cm(L)x1.9cm(W), 100cm extended cable
- DC12V/24V Power Supply (6~36V DC)

2. How does it work?

GPS Odometer Speed Sender provides a reliable calibration-free replacement for mechanical speed senders. Using data received from the Global Positioning Satellite network, the GPS Speed Sender calculates three-dimensional ground speed and provides a pulsed output compatible with existing mechanical speed senders. This high-technology solution eradicates the dependency on vehicle specific parameters thereby reducing installation time and eradicating the need for periodic calibration.



3. Speed Ratio

Part No.	Speed Ratio	Odometer Compensation after Tunnel/Bridge/GPS Blind Area	Voltage
GS202	Programmable, Default 5000ppk	Yes	8~32V

4. Electrical Specifications:

<p>Input voltage: Min6~Max36V</p> <p>Power consumption: <i>Passive - 240mW</i> <i>Active (with antenna) - 480mW</i></p> <p>Maximum current drain< 25mA</p> <p>Accuracy Horizontal: < 5m (50%), < 8 (90%) Altitude: < 10m (50%), < 16 m (90%) Velocity: < 0.06m/sec = 0.22km/h</p>	<p>Acquisitions After loss of lock: < 2s (90%) First time power applied: < 38s (50%), < 42s (90%) Temporary loss of power: < 10s (50%), < 13s (90%)</p> <p>Operational limits Altitude: 18000m Speed: Max300KM/H</p>
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