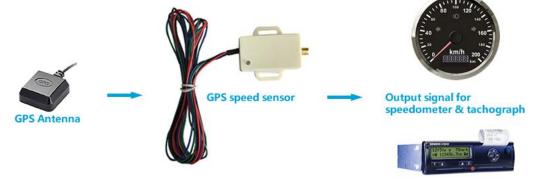
# Mini Universal GPS Speed Sender

## 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 50,000pules/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 threedimensional 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:

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