ACCUPULSE GPS SENSOR

GPS-based speed pulse sensor for vehicle applications

AT A GLANCE	SUPPLY	OUTPUT	DEFAULT
20-channel GPS receiver	6 to 36 V D.C.	Dual anti-phase pulse outputs	4000 pulses/km programmable

OVERVIEW

- Based around a very sensitive 20-channel GPS receiver.
- Eliminates stray coordinates when the vehicle is stationary in weak reception areas.
- Provides programmable dual pulse output with a default of 4000 pulses per kilometre.
- Battery backup has been removed in the current design.

KEY FEATURES

- 20-channel GPS receiver
- 6 to 36 V D.C. operating range
- Average current draw of 40 mA
- Dual anti-phase outputs
- Programmable pulse output
- Default 4000 pulses/km (> 98% accuracy)
- Active GPS antenna
- Flashing LEDs indicate lock state and output pulses

TECHNICAL INFORMATION

SPECIFICATIONS

Operating voltage: 6 to 36 V D.C. (internally fused and reverse polarity protected)

Operating current: 40 mA average

Output pulses: Programmable, default 4000 pulses/km (> 98% accuracy)

Output: Dual anti-phase outputs (pulled up to the supply via 4K7)

Indicators: Flashing LEDs indicate lock state and pulses out

Antenna: Active antenna

WIRING

Black: –VE

Red: 6 V to 36 V D.C. input

Blue: Pulse output

Yellow: Pulse output

APPLICATIONS

- GPS-based vehicle speed measurement
- Odometer and trip meter systems
- Installations requiring pulse output proportional to road speed
- Retrofit and custom vehicle applications

INTERNAL VIEW

Current design without battery backup.