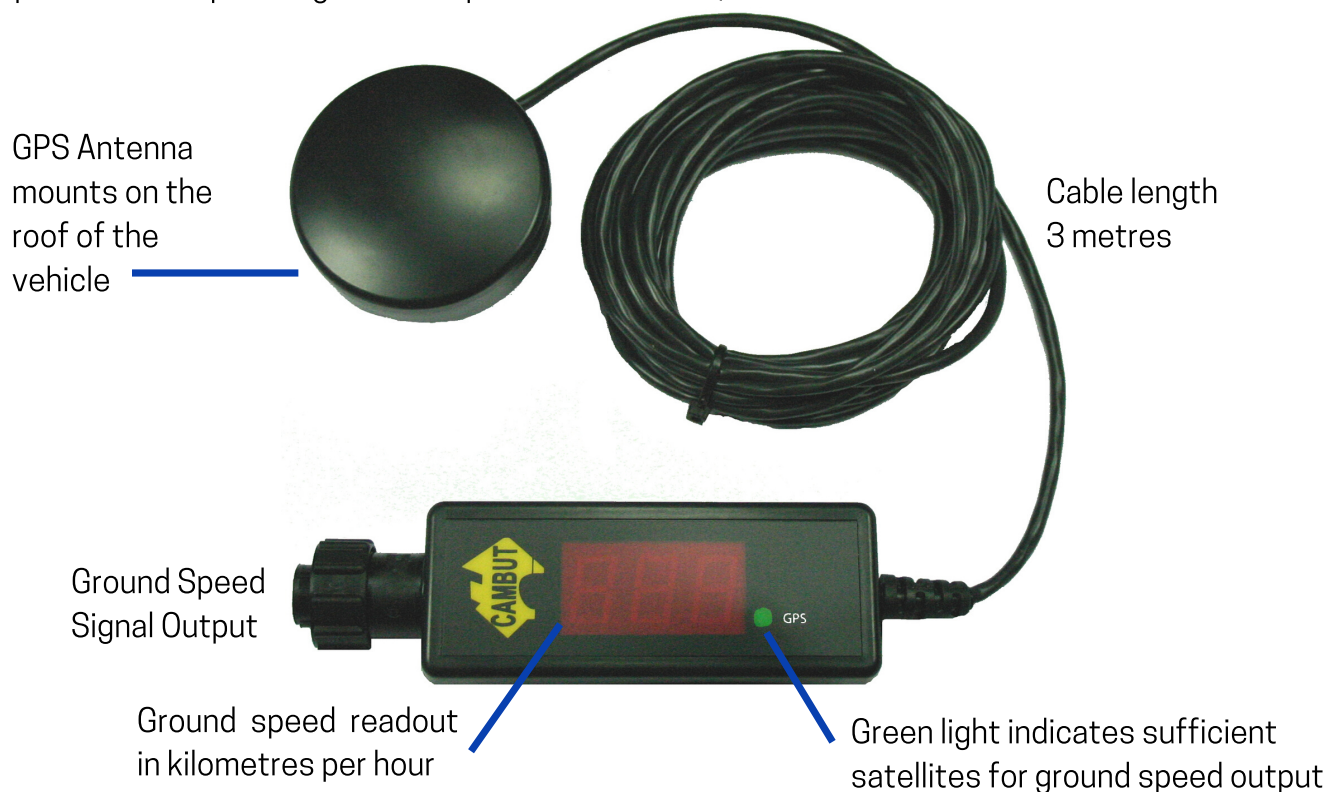


5Hz SAT SPEED - GPS-SPEED

Outputs Ground Speed Signal as a square wave 35.4Hz/KPH



General Specifications

Ground Speed Signal Connector:	AMP 4 Pin CPC
GPS Receiver Update Rate:	5 Hz
GPS LED:	Solid green light indicates sufficient number of satellites for ground speed reading Flashing green light indicates GPS Sensor is looking for satellites.

Electrical Specifications

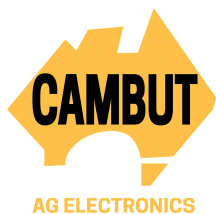
Operating Voltage:	12/24 Volts DC
Speed Signal Out:	Supply Voltage Square Wave, 35.4 Hz/KPH
AMP 4 Pin CPC Wiring:	Pin 1 Ground, Pin 2 Speed Signal, Pin 3 & 4 + 12/24 VDC Power

Environmental Specifications

Operating Temperature:	-30 to 70 degrees C
Storage Temperature:	-40 to 85 degrees C
External Antenna:	IP 65
Digital Display:	IP 50

Ground Speed Calibration Constants

Land Mager, CMS100, CCS100, PM300, TSM10, Seed Manager SE.....	7775
PM3000, SC1000, GC 1000.....	1340
IntelliAg ISO Control System.....	12750
Control Point.....	127500



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5Hz SAT SPEED - GPS-SPEED

Outputs Ground Speed Signal as a square wave 35.4Hz/KPH

Installation

- The SAT-SPEED mounting location should have a clear unobstructed view of the sky on all sides.
- Avoid overhead metal structures that can block the satellite signals.
- Mount the SAT-SPEED at the highest point of the vehicle with the black dome pointing directly at the sky.
- Be aware of shed door openings and make sure the SAT-SPEED is safe from impact from fixed structures.
- Avoid mounting in areas with excessive vibration, as SAT-SPEED may produce ground speed errors.
- The SAT-SPEED can be mounted to any flat metal surface, such as the roof on a vehicle cab.
- If your vehicle does not have a metal roof, then attach the metal plate included with the SAT-SPEED.
- Carefully route the cable into the vehicle cab and connect to your monitor or controller.

Calibration

Before running the calibration you must power up the SAT-SPEED with the vehicle parked out in the open, away from trees and sheds for approximately 45 minutes to acquire all the satellite signals and store them in memory. This procedure is only required once at the initial startup. From then the tractor is started up it will take approx. 40 seconds to find the satellites and start outputting a ground speed signal to the monitor or controller.

After installing the SAT-SPEED your monitor or controller will need to perform a ground speed calibration. Follow the procedure outlined in the monitor or controller instructions that is typical for calibrating a radar ground speed sensor.

Operation

Lights up solid GREEN when more than 4 satellites are connected - Ground Speed Output OK

Lights up flashing GREEN when the sensor is searching for satellites - Ground Speed Output OFF