



Translation of the GPS data to the CAN bus

12 channel GPS receiver with 1 Hz or 5 Hz repeating rate

Automatic CANdb generation

Positional data, speed, direction, azimuth, elevation angle, ...

Automotive compatible operating temperature range and protection class

It is often necessary, in addition to measuring data of vehicle buses, to determine and save the positional data of a vehicle. CANgps analyses the data of the 12 channel GPS receiver (Position in longitude and latitude, speed, date and time, altitude, direction, accuracy and other additional information) and implements it in CAN.

## Technical data

Hardware versions:

- CANgps 1 Hz With a 1 Hz GPS receiver
- CANgps 5 Hz With a 5 Hz GPS receiver

GPS	12 channel GPS receiver by Garmin®
Data	Longitude, latitude, velocity, direction, number of visible satellites, accuracy (spatial, horizontal, vertical), date and time, altitude, azimuth, ...
CAN	1 x high-speed CAN corresponding ISO/DIS 11898 up to 1 MBit/s
RS-232	For configuration and firmware download, as well as data transmission in NMEA0183 format (38400 Bit/s)
Operating voltage	+7 V ... +42 V
Current consumption at 12 V	Typ. 80 mA
Operating temperature range	-30 °C ... +70 °C

## Housing

Material	
• Receiver	Plastic, protection class IP67
• Control unit	Plastic, protection class IP42
Dimensions	
• Receiver	∅ 61 mm
• Control unit (LxWxH)	96 x 51 x 18 mm
Weight (total)	~ 170 g

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