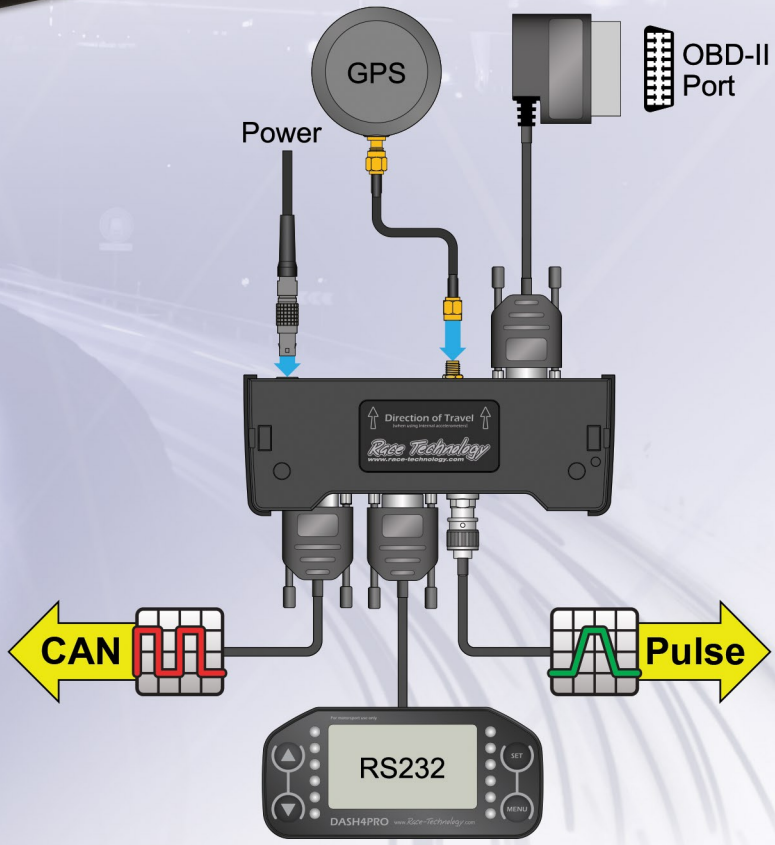
New SPEED10 - GNSS Speed and Position Measurement Unit

New for 2019

The **SPEED10** is a general purpose GNSS (GPS and GLONASS) speed and position measurement unit. Suitable for any application that requires a reliable speed measurement without connection to a vehicle wheel speed sensor. A port is provided for an optional OBD-II interface, for a simple way of incorporating additional engine parameters. Speed and position are output at 10Hz, primarily output on CAN and pulse.

Configurable pulse output between 20 and 400 pulses per metre (maximum operating speed of 50m/s at 400 pulses per metre).

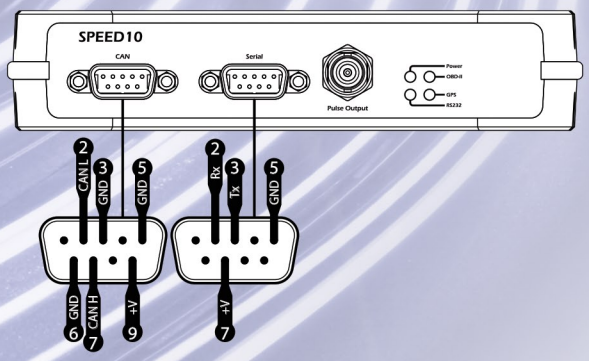
Configurable CAN output messages for baud rate and identifiers. DBC file generation for simple integration with other data systems. Set identifiers to Race Technology standard for CAN connection to other Race Technology system components.

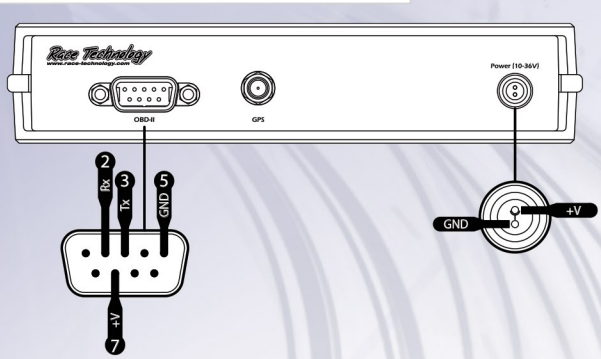


Race Technology
www.race-technology.com

New SPEED10 - GNSS Speed and Position Measurement Unit

GENERAL	
Supply voltage	+10V to 36V
Power consumption	0.4W
Case construction	Die-cast aluminium
Dimensions	163 x 62 x 34mm
Mass	295g
IP rating	IP50
Operating temperature range	-40 to 70 °C
Humidity	5 to 95% non-condensing
Mounting method	Cases stack to other RT products or mount with brackets/Velcro
Outputs	RS232, CAN, Pulse
DATA ACCURACY	
Speed accuracy	<0.05m/s 50% of the time at 30m/s
Position accuracy	2.5m CEP 50% of the time
CAN	
Maximum baud rate	1 Mbit/s
Data rate	10Hz for GNSS data, vehicle dependant for OBD-II data
Identifiers	Configurable addresses, 11 or 29 bit
Termination	None. Must be terminated externally
RS232	
Baud rate	115200 baud
Data rate	10Hz for GNSS data, vehicle dependant for OBD-II data
RS232 data format	Race Technology standard GPS, temperature, pressure channels
PULSE OUTPUT	
Maximum pulse rate	>20kHz
Output format	50% duty cycle square wave
Voltage	0-5V
ORDER CODES	
SPEED10 main system	SPEED10
Optional OBD-II interface	OBDIISPEED10





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