

# New **SPEED 10** - GNSS Speed and Position Measurement Unit

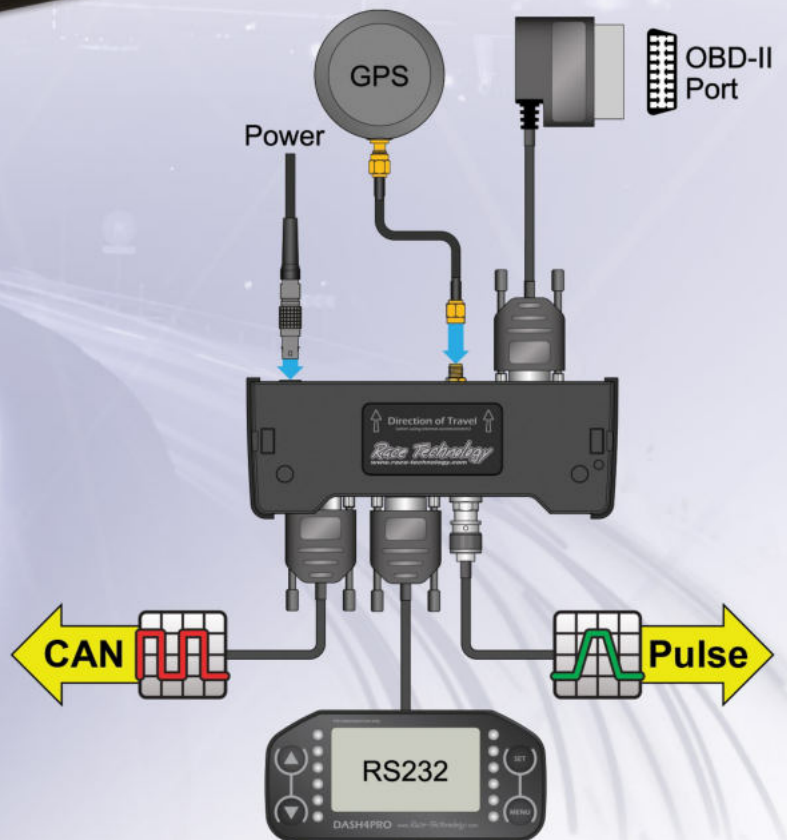


## New for 2019

The **SPEED 10** 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.

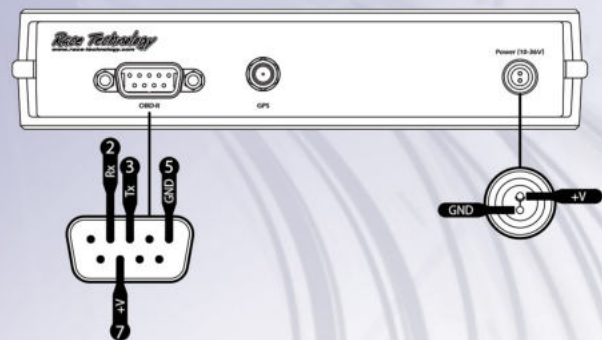
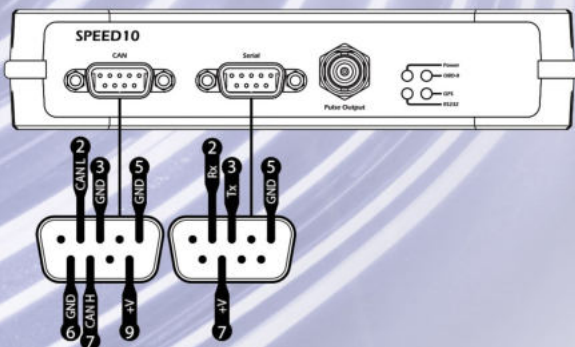
Configurable pulse output between 20 and 400 pulses per metre (maximum operating speed of 50m/s at 400 pulses per metre).

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.



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<b>General</b>	
Supply voltage	+10V to 36V
Power consumption	0.4W
Case construction	Die-cast aluminium
Dimensions	164 x 63 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 / Velcro / tie wraps
Outputs	RS232, CAN, Pulse
<b>CAN output</b>	
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
<b>RS232 (serial) connection</b>	
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
<b>Pulse Output</b>	
Maximum pulse rate	>20kHz
Output format	50% duty cycle square wave
Voltage	0-5V



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