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.
### 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: OBDISPEED10

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**Race Technology Ltd (UK)**  
16 King Street, Eastwood, Nottingham, NG16 3DA  
Tel: +44 (0)1773 537620  
Fax: +44 (0)1773 537621  
Email: sales@race-technology.com