

# OBDII ODOMETER ACCESSORIES

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The OBDII Odometer is a smart interface cable that communicates with a vehicle's on-board computer to determine the current vehicle speed.

It outputs real time vehicle speed over an RS232 serial data interface. When connected to one of Advanced Navigation's INS products it allows for outstanding navigation accuracy when GPS is not available.



## ABS SPEED AND REVERSE DETECTION

The OBDII Odometer can retrieve a very accurate and high resolution vehicle speed from the ABS system (Anti-lock Braking System) on some vehicles. On other vehicles the transmission still offers an accurate speed. Some vehicles also offer reversing detection via the gearbox position.



## MINIATURE DURABLE DESIGN

The OBDII Odometer has a miniature in-line design that is easy to fit into any vehicle. It features a strong ABS plastic shell and tough strain relieved cabling.



## RELIABILITY

The OBDII Odometer is built for reliability. It is built on a safety based real time operating system and all software is designed and tested to safety standards. The hardware is designed to MIL specs and has fully galvanically isolated power and communications.

# SPECIFICATIONS

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## OBDII

Protocols Supported	ISO 9141-2 ISO 11898 ISO 14230-4 ISO 15765 ISO 15765-4 SAE J1850 VPW SAE J1850 PWM SAE J1939 Other Manufacturer Specific
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## COMMUNICATION

Interface	RS232
Interface Isolation	Optically Isolated
Speed	115200 baud
Protocol	AN Packet Protocol
Output Data Rate	10 Hz

## HADWARE

Operating Voltage	9 to 16 V
Input Protection	Surge Over-voltage and Under-voltage Brown Out Reverse Polarity
Power Source	OBDII Connector (vehicle power)
Power Consumption (Typical)	0.72 W
Operating Temperature	-40 °C to 85 °C
Environmental Protection	IP54
Weight	202 grams

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