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

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

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

HARDWARE
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
- 0.72 W (Typical)
Operating Temperature
- -40 °C to 85 °C
Environmental Protection
- IP54
Weight
- 202 grams

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