

WS2CAN™ SIGNAL CONVERTER



WS2CAN™ is a flexibly configurable two channel analog speedometer with a CAN bus output interface. It processes the signals of two speed sensors connected to the inputs, and sends the measured wheel speed data to the CAN bus output in digital format.

WS2CAN™ handles the sinusoidal signals of passive inductive speed sensors in real-time. By measuring the frequency of the speed sensor signals **WS2CAN™** calculates the digital wheel speed values, and transmits them to the CAN bus in an SAE J1939 compliant HRW (High Resolution Wheel Speed) message. The **WS2CAN™** units can be cascaded, so the system enables the complete measurement of all the wheel speed signals of multi-axle vehicles.

Features

- High sensitivity input (300 mV p-p)
- Broad frequency range (0 - 2kHz)
- 2 independent high impedance analog inputs
- 2 independent speed coefficients (1 - 65535 imp/km)
- Communicates on CAN bus
- Sends SAE J1939 HRW compliant messages
- Parameters can be configured via CAN messages
 - Speed coefficient (impulses/km)
 - Axle identifier
 - CAN message ID
 - CAN message rate
 - CAN baud rate

Applications

- Automotive measurements
- Frequency measurement
- ABS brake system testing
- Speed measurement

FURTHER INFORMATION: WWW.INVENTURE.HU

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