

Enhancing vehicle instrumentation systems

The CAN I/O X by Ametek provides manual transmissions and mechanical engines a means to connect with electronic instrumentation by bringing sensor or generator input to the J1939 network.

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The converted data is broadcast out on the J1939 network at regular intervals (Photo: Ametek)

Built to rugged automotive grade requirements, CAN I/OX can be placed anywhere on the vehicle. The product is able to convert switched, analog, or pulsed input into a standardized or proprietary J1939 message for any device on a vehicle instrumentation system. It provides manual transmissions and mechanical engines a means to connect with electronic instrumentation by converting pulsed inputs to digital information. It also allows switched and analog inputs to be converted to digital data and converts pulsed input into a J1939 message. The module features ten switched and analog inputs and a footprint of 0,12 m².

The CAN I/O X module is environmentally sealed against dust and moisture penetration to IP67 specifications and can be mounted onto a vehicle chassis. The module is designed to withstand harsh conditions and rugged off-highway environments. It meets all SAE J1455 and J1113 requirements for vehicular instrumentation.

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