

PRESS RELEASE

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**Axiomatic offers a compact temperature scanner with 2 universal inputs and 2 CAN ports, designed for monitoring engine exhaust, windings, or fluid temperatures.**

The Thermocouple & 2 Universal Inputs CAN Controller was designed to monitor engine temperature and provide temperature data such as exhaust, winding, or fluid temperatures. The [AX189001](#) interfaces with Type B, E, J, K, N, R, S, and T thermocouples (TC) with temperature data automatically being sent over the CAN network. Isolation of the TC input channel and the CAN ports from the other inputs and power supply is provided.



[1 Thermocouple, 2 Universal Inputs CAN Controller, CANopen®](#)

An [AX189001](#) controller features two universal signal inputs programmable as voltage, current, PWM, digital, or resistive types. The TC controller operates with a power supply voltage of 12, 24, or 48 VDC nominal (9 to 60 VDC). The device comes pre-programmed with standard logic and features two isolated CANopen® ports. Axiomatic also offers an SAE J1939 version of the 1 TC, 2 Universal Inputs CAN Controller, P/N: [AX189000](#).

The thermocouple device is configurable using standard CANopen® tools and the EDS file provided. The unit is a rugged, compact, molded plastic enclosure. Additionally, the unit is rated as IP67 to ensure suitability for the harsh and demanding conditions of engines.

For more details, please visit the [AX189001](#) webpage.

You can browse through our catalog of [Thermocouple \(TC\) Modules](#) and other [Engine Temperature Monitoring Solutions](#).



Axiomatic specializes in the design, development, and production of controller and power converter solutions tailored for diverse applications where performance and reliability are of utmost importance. Our team of design engineers designs products in both Canada and Finland, while our manufacturing operations are located in Canada. Sales offices are in Australia, Canada, Finland and USA.

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Visit Axiomatic at CONEXPO CON/AGG 2026 in Las Vegas, NV from March 3-7, 2026.

Join us in the North Hall at booth N10545.

