

PRESS RELEASE

May 31, 2022 – Mississauga, ON, Canada

Axiomatic Technologies Corporation has developed a range of temperature scanners that can be reliably used in even the harshest environments.

The AX180800 Temperature Scanner monitors up to 20 thermocouples and 2 RTD's to provide the temperature information to the engine control system over SAE J1939 CAN bus. The channels are independently configurable as Type J, K, B, E, N, R, S or T thermocouples. Temperature information can include exhaust temperature, winding temperature, and fluid temperature monitoring. All 20 channels of temperature data are automatically sent over the CAN bus when power is applied with no additional programming or configuration required.



In addition to the TC and RTD inputs, there are 4 universal signal command inputs and 6 Form C relay outputs. Integral diagnostics determine thermocouple integrity. All inputs are fully isolated from the CAN lines, and from the power supply. The two CAN channels are fully isolated from one another in the hardware which allows for different CAN networks to be connected. In the software, each will also act independently where incoming or outgoing messages can be configured to receive or send on a specific CAN channel. Modbus TCP/IP communications are also available.

The scanner is enclosed in a rugged IP67 rated enclosure and is suitable for use in control systems for industrial and marine power generator sets.

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