



WORLDWIDE *The Interface Solution Experts*

Moore Industries-International, Inc.

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FOR IMMEDIATE RELEASE

Up to 32 FOUNDATION Fieldbus™ Temperature Transmitters on One Network

NORTH HILLS, CA— Moore Industries' high-accuracy [TFZ Fieldbus Temperature Transmitter](#) saves wiring and installation costs by allowing up to 32 to be installed on the same segment with all standard fieldbus devices. The TFZ converts a sensor input to a FOUNDATION fieldbus H1 ready for interface to a DCS, computer-based SCADA system, or asset management software.

The bus-powered TFZ features 20-bit input resolution, and offers dozens of input and operation choices. It sets up from the control room over the segment wiring, using a standard FOUNDATION fieldbus configuration tool to handle 14 RTD types, nine thermocouple types, as well as direct millivolt and resistance/potentiometer inputs.

The TFZ is Fieldbus Foundation registered, and is FM approved for use in Class I, Division 1, Groups A, B, C, D and Class II & III, Division 1 Groups E, F, G hazardous areas. It also has NEMA 4X and IP66 ratings, approvals from ATEX, CDFMus (US/Canada), IECEx, CSA, cCSAus, CENELEC/ATEX 94/9/EC and ANZEx, as well as being CE Conformant. The TFZ operates in ambient temperature ranges of -40°C to +85°C (-40°F to +185°F).

The TFZ has 20-bit input resolution, RFI/EMI protection, ambient temperature compensation, works up to five years between scheduled calibrations, and—depending on the sensor chosen—has an input accuracy up to $\pm 0.1^\circ\text{C}$. An advanced linearization method minimizes conformance error, while Reference (Cold) Junction Compensation techniques produce stable readings even in fluctuating ambient temperature conditions.

For non-linear inputs, custom linearization curves can be programmed using the fieldbus configuration tool. The TFZ can be trimmed with two data points within the selected zero and span measurement range. This allows a complete process range to be monitored, while placing measurement emphasis on a specific segment of the range most critical to the process. For more information, contact Moore Industries-International, Inc., 16650 Schoenborn St., North Hills, CA 91343, U.S.A; Telephone: (818) 894-7111; FAX: (818) 891-2816; E-mail: info@miinet.com; Web Site: www.miinet.com.

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