



WORLDWIDE *The Interface Solution Experts*

Moore Industries-International, Inc.

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Obtain Digital Photograph: <ftp://editors.miinet.com>, download from "THZ2 TDZ2 Smart HART Transmitter" folder

FOR IMMEDIATE RELEASE

THZ² and TDZ² Family of Smart HART Transmitters Have Exceptional Accuracy

Accuracy is $\pm 0.014^{\circ}\text{C}$ ($\pm 0.025^{\circ}\text{F}$), best in the industry

NORTH HILLS, CA—The THZ² and TDZ² family of two-wire, loop-powered Smart HART Temperature and Signal Transmitters from Moore Industries-International, Inc. have input-to-output analog accuracy up to $\pm 0.014^{\circ}\text{C}$ ($\pm 0.025^{\circ}\text{F}$), the absolute best in the industry. The 4-20mA temperature output signal also has a superimposed HART digital signal, which allows any HART-compatible control device to program zero, span, sensor trim offset and other calibration variables, and to interrogate and read multiple real-time process variables. Up to 15 transmitters can be linked via a single twisted pair wire.

The THZ² and TDZ² can be field-configured to accept 14 RTD types, nine thermocouple types, current and voltage signals, resistance and potentiometer devices, and direct millivolt sources, thus minimizing the need to stock spares. The transmitters can be interrogated and configured with a HART Communicator, HART-based control system, or a PC, laptop or tablet PC equipped with software from Moore Industries. Each transmitter comes with free PC configuration software and a cable.

Both the THZ² models (blind devices) and TDZ² (with displays) have 20-bit input resolution for exceptional digital accuracy of $\pm 0.1^{\circ}\text{C}$ ($\pm 0.18^{\circ}\text{F}$) with all Pt RTDs, or up to $\pm 0.05^{\circ}\text{C}$ ($\pm 0.09^{\circ}\text{F}$) for Pt1000 RTDs.

THZ² models are available in encapsulated "hockey-puck" housings, field-mounted enclosures and DIN-rail field mount housings. TDZ² models are available in a "hockey-puck" housing or a field-mount housing, with digital displays. Options include RTD and thermocouple sensors, thermowells, connection heads and fittings.

All models work in temperatures from -40 to 85°C (-40 to 185°F) and relative humidity of 0-95% RH, and have RFI/EMI immunity, common mode noise rejection, a digital input filter,

burnout protection and output current limiting. Field-mount models have Factory Mutual (FM), ATEX, cFMus (US/Canada), IECEx, CSA, CENELEC/ATEX 94/9/EC Directive and TestSafe (Australia) approvals for intrinsically-safe, non-incendive, explosion-proof and flame-proof operations in Class 1, Division 1, Groups A, B, C and D. They also have NEMA 4X and IP66 ratings, and are CE conformant.

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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