



WORLDWIDE *The Interface Solution Experts*

Moore Industries-International, Inc.

Editorial Contact: Rich Merritt, (319) 892-0557
rmerritt@miinet.com

16650 Schoenborn Street
North Hills, CA 91343-6196
Telephone (818) 894-7111
FAX (818) 891-2816
E-mail: info@miinet.com
www.miinet.com

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FOR IMMEDIATE RELEASE

BIMETAL Temperature Sensor Provides Local Readout and a mV or Ohm Signal, Requires no Power

NORTH HILLS, CA—The BIMETAL Dual-Mode Remote Thermometer provides on-site indication of process temperature conditions, and simultaneously provides a mV or ohm signal proportional to temperature for input to a transmitter, Remote Terminal Unit (RTU), controller, recorder, indicator, PLC, DCS or SCADA system.

The BIMETAL requires no power supply at the point of measurement. It includes a rugged thermowell probe assembly that contains a Moore Industries' RTD or thermocouple sensor, and a large analog display. Both the sensor and display are NIST traceable, and can be quickly calibrated in the field. No source of power is needed to drive the local analog readout; the thermocouple or RTD can be read via a standard transmitter, signal conditioner or analog input device.

The sensor's easy-to-read three-inch dial provides local temperature indication in 0-250°F and 0-500°F dial ranges, is hermetically sealed per ASME B40.3, and has field-adjustable calibration. The dial gauge has NIST traceable calibration of up to 1% of reading.

Integral RTD and thermocouple probes install in 0.25-inch or 0.38-inch thermowell bores in a choice of mounting styles, provide accuracy up to 0.04% of reading, and have hermetically-sealed, high-temperature wires.

Options include three- and four-wire 100 and 1000 Ohm platinum RTDs, Type J and K thermocouples, 316 and 304 stainless steel stems in various lengths, and Moore Industries temperature transmitters. When combined with a temperature transmitter, the BIMETAL provides a 4-20mA or 1-5Vdc output. This high-level, noise-resistant signal is ideal for sending process data long distances back to a field-mounted RTU or directly to a control room.

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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