

DUAL-COMPARTMENT ENCLOSURE FOR ACCESSIBILITY AND PROTECTION IN THE FIELD



The THZ Smart HART Temperature Transmitter features a dual-compartment enclosure with an isolation seal that protects the transmitter's electronics from moisture and corrosives brought in through conduit entries. A glass window is built into the front cap for easy viewing of process status in the field. Removable front and rear caps enable quick access to the terminal block and simplify transmitter removal or replacement without disturbing the enclosure or sensor assembly. The flexible spring sensor allows the RTD or thermocouple sensor to slide out of the thermowell

without removal of the actual transmitter or enclosure. The extra-large 5-digit display delivers process status, output in percent of span, and diagnostic information to the field. With Smart HART technology, this transmitter delivers twice the accuracy (up to $\pm 0.025^{\circ}\text{F}$ and $\pm 0.014^{\circ}\text{C}$) of comparable transmitters currently on the market. The THZ also features stability – allowing up to five years between calibrations. Using a standard HART Hand-Held Communicator or Intelligent Configuration Software with a comprehensive online HelpMap system, the smart THZ sets up in a minute or less to handle nearly every available RTD and thermocouple sensor with isolated 4-20 mA or digital HART output. Sensor-to-transmitter matching, together with NIST traceable test data, is available from an on-site calibration lab.

Moore Industries

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