

We Calibrate
Your Assembly

 **MOORE
INDUSTRIES**

New Factory Calibration

Moore Industries' Temperature Transmitter "Calibration Suite" Offers Superior Accuracy

In our new Temperature Transmitter Assembly "**Calibration Suite**" we now perform complete NIST-traceable calibration of our TRY, TRX and TDY PC-Programmable and THZ & TDZ Smart HART® Temperature Transmitters and sensor assemblies.

Called **Sensor-to-Transmitter Trimming**, it's a bargain when you consider the everyday improvements in process efficiency it can help deliver.

Why Calibrate as an Assembly?

Today's precision manufacturing processes demand increasingly higher levels of process temperature measurement accuracy. Even a slight variation from the optimal temperature can result in costly inefficiency, or even greater losses in wasted product.

A solid strategy to achieve higher accuracy is to calibrate the temperature transmitter and sensor as a unit under very carefully controlled conditions.

Our precision **Sensor-to-Transmitter Trimming** technique includes the following steps:

1. Stabilize two fluids in calibration baths at exceptionally accurate temperature levels;
2. Immerse the sensor (lengths of 3" to 16") in the precision calibration baths;
3. Use the transmitter to capture and trim the zero and full scale values using any two test points between -20°C (-4°F) and +110°C (+230°F). This method compensates for deviations between the sensor's stated linearization curve and the actual sensor measurements.
4. Record and provide a computerized Calibration Report that incorporates pre- and post-calibration data, and certifies that our calibration measurements are traceable to National Institute of Standards (NIST) and in accordance with MIL-STD-45662A.



In our "Calibration Suite" we ensure that the sensor and transmitter work together to deliver an exceptionally precise representation of actual process conditions.

Moore Industries' Temperature Transmitters "Capture" Exact Sensor Measurements

To enhance measurement accuracy even further, our TRY, TRX and TDY PC-Programmable and THZ & TDZ Smart HART® Temperature Transmitters will instantly "capture" and store the selected zero and full scale range values measured by the sensor.

This advanced input trimming method ensures that the calibrated input values precisely match the sensor's actual measurement.

Specifications and prices subject to change without notice.