

Loop calibration with a temperature transmitter at the bench



In industrial process industries, temperature measurement equipment usually has two components: a sensing device such as an RTD or thermocouple and a transmitter to read and relay the signal to the control system.

All sensors, including RTDs, drift with time. Thus, testing the transmitter and not the sensor could result in misjudgment regarding a system's performance. To avoid this potential problem, process instrument manufacturers recommend including the temperature sensor in loop calibration to prove the effectiveness of the entire system.

Suggested test tools



9142, 9143, 9144 Field Metrology Wells
See pg 17



7526A Precision Process Calibrator
with temperature source
See pg 5



754 Documenting
Process Calibrator with
temperature source
See pg 5