



Application Note

MFT 4000 Multifunctional Calibrator

The User: All technicians responsible for installing, commissioning, calibrating and maintaining process industry transmitters including Instrument and Electric Shop Technicians, Instrument and Control Shop Technicians, Maintenance Technicians.

Applications: Initial pressure and temperature transmitter setup, maintenance, calibration checks, re-certification to NIST traceable standards

User activities: Typical daily activities include preventative maintenance, unscheduled trouble shooting and maintenance, scheduled calibration and re-certifications, reconfiguration for process changes and short term “shut downs” for change out of critical process equipment and re-fit of instrumentation and controls.

Instrumentation need: Portable, accurate, NIST traceable calibration gear that is versatile and able to reduce the workload of the instrument technicians. Instrument technicians want easy to use, multifunctional gear that enables them to commission, maintain and replace instrumentation with the least amount of equipment and complication.

Solution: MFT 4000 Multifunctional Calibrator

The modular MFT 4000 enables instrumentation customers from a wide variety of process industries to customize the MFT to fit their measurement needs. The modular calibrator provides *flexibility / versatility* in a NIST traceable calibrator that is not available in competitive units. With three (3) module bays standard in the base unit, and with voltage and current measurement integral to the base unit, the MFT 4000 can cover a wide range of pressure, temperature, voltage and current measurement requirements. Need a different pressure range or type (gauge, absolute or differential)? Simply depress the spring-loaded latch of an installed module and hot-swap for the module needed to do the task at hand. The MFT automatically recognizes the new module and units from its previous setup. The user saves time and has the right tools at hand for every job.

Two NIST traceable accuracy levels are available to provide the best fit for the customer’s use. Sensor modules can be recalibrated through the standard Field Recalibration mode using appropriate standards. This feature keeps downtime for the MFT’s maintenance to a minimum. In the case of sensor module damage, replacement modules can be shipped overnight to keep the best tool in the user’s hands.

For HART® communicator needs see the MFT 4010 Multifunctional Calibrator / Communicator Application Note.