



Application Note **MFT 4000 Multifunction Calibrator**

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

Applications: Initial pressure and temperature transmitter check out, maintenance, calibration checks, documenting the performance of conventional pressure and temperature transmitters, re-certification to NIST traceable standards, loop checks, receiving device checks (mA dc, V dc, mV dc, ohms)

User activities: Typical daily activities include preventative maintenance, unscheduled trouble shooting and maintenance, scheduled calibration and re-certifications, as found and as left documentation, 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 technician. 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 Multifunction 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 and voltage and current measurement integral to the base unit, the MFT 4000 can cover a wide range of pressure, temperature, voltage and current measurement and simulation options. Need a different pressure range or module type installed? All modules are interchangeable in any bay locations (base MFT should be “Off” before removing or installing a module). Simply depress the spring-loaded latch of an installed module and replace it with the module needed. The MFT automatically recognizes the new module and engineering units from its previous setup. The user saves time and has the right tools at hand for every job.

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