

Recommended pharmaceutical solutions

Laboratory calibration	
Recommended products:	Best suited for:
Field Metrology Wells, Micro-Baths, reference thermometers	Calibration of RTDs, thermocouples, thermistors, and thermal switches
Pressure controllers / calibrators	General calibration of pressure gauges, transducers or transmitters that are normally measuring gas or water pressure
Flow calibrators and standards	Calibration of gas flow
Thermo-hygrometers	Environmental monitoring
Infrared calibrators	Infrared thermometer and thermal imager calibration

Process instrumentation and automation	
Recommended products:	Best suited for:
Process calibrators	Instrument calibration, performing HART transmitter adjustment
Field Metrology Wells	Transmitter loop calibrations, automated comparison calibrations of RTDs and thermocouples, or thermal switch tests
Handheld reference thermometers	Temperature measurement and testing in autoclaves, ovens, freezers, and chambers
Data loggers	Monitoring multiple process parameters over time voltages
Loop calibrators and process meters	Testing 4 to 20 mA analog signals and control system input/output
Milliamp clamp meters	Troubleshoot and test mA loop control signals. Measure mA I/o signals without breaking the loop.
Thermometer standards	Reference temperature measurements in fluids, test wells and dry-wells
Intrinsically safe pressure calibrators	Calibration and maintenance of pressure instruments in classified areas



More recommended pharmaceutical solutions

Field calibration	
Recommended products:	Best suited for:
IR thermometer calibrators	Infrared thermometer and thermal imager calibration
Field Metrology Wells	Transmitter loop calibrations, comparison calibrations, or thermal switch testing.
Handheld and field dry-wells	Checking the zero and span points of temperature sensors and transmitters
Micro-Baths calibrator	Accommodating probe dimensions while checking the zero and span points of temperature sensors and transmitters
Electronic deadweight testers	Calibration of high pressure gauges, transducers or transmitters
Pressure calibrator with pressure/vacuum pump	Low pressure transducer testing for pressure measurements that feed information to air handlers



Facilities maintenance	
Recommended products:	Best suited for:
Handheld reference thermometer	Efficiency testing of HVAC systems
Low pressure controller/calibrator, low pressure handheld calibrators	Air handlers, Magnahelics®, low pressure differential gauges
Electronic deadweight testers	Calibration of high pressure gauges, transducers or transmitters
Pressure calibrator with pressure/vacuum pump	Low pressure transducer testing for pressure measurements that feed information to air handlers



Fluke. The Most Trusted Tools in the World.

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Pharmaceutical industry calibration solutions

Pharmaceutical manufacturing requires premium quality tools that provide accurate measurements and keep critical processes up and running. Whether you're maintaining plant uptime, documenting product quality, or calibrating measurement devices, you need accurate tools that you can count on for the bench and the manufacturing floor.
With Process Calibration solutions from Fluke and Fluke Calibration for electrical, multifunction, mA loop, temperature, pressure and flow applications, you can find the right tools for the challenges you face every day.



Building control technician

Focus: monitoring, adjusting and repairing building controls

What issues do you face?

- Troubleshooting building environmental systems with immediate response
- Maintaining uptime and production area cleanliness
- Safety systems testing

Fluke solutions:

- Pressure calibration tools
- Temperature calibration tools

Quality manager

Focus: maintaining and documenting product quality

What issues do you face?

- Complying with quality regulations
- Maintaining documentation of processes

Fluke solutions:

- Temperature calibration tools
- Pressure calibration tools
- Flow calibration tools
- Multifunction calibration tools

Engineer

Focus: process design and improvement

What issues do you face?

- Specifying equipment to meet regulations and requirements
- Preventing downtime

Fluke solutions:

- Temperature calibration tools
- Pressure calibration tools
- Flow calibration tools
- Standards
- Process tools



Field calibration and instrumentation technician

Focus: verifying transmitters throughout the plant

What issues do you face?

- Preventing downtime
- Troubleshooting process interruptions
- Testing safety systems
- Maintaining product accuracy for regulations and quality

Fluke solutions:

- Multi-function and loop tools
- Temperature calibration tools
- Pressure calibration tools

Validation technician

Focus: providing validation services

What issues do you face?

- Thermal validations and studies
- Authoring and executing validation protocols, and writing reports of validation results

Fluke solutions:

- Temperature calibration tools

Lab calibration technician

Focus: calibrating measurement devices

What issues do you face?

- Making accurate measurements
- Documenting procedures
- Increasing throughput
























Fluke solutions:

- Temperature calibration tools
- Flow Calibration Tools
- Electrical Calibration
- Multi-function and loop tools
- Pressure calibration tools

Diagram is not an exact physical representation. Diagram elements are not to scale and are for illustration purposes only.

Fluke pharmaceutical solutions

Fluke offers a broader line of solutions for pharmaceutical professionals than shown here. Go to www.fluke.eu/pharma_eu for detailed information on these products and more Fluke pharmaceutical solutions.

Multi-function and loop tools							Temperature calibration tools						Pressure calibration tools										Electrical calibration	Software
mA loop calibrators			Multifunction calibrators				Baths and dry-wells			Infrared thermometer calibrator	Precision thermometers and probes		Handheld pressure calibrators		Pressure gauges and comparison test pumps			Deadweight testers		Bench pressure controller/calibrator	Precision multimeter	Software solutions		
																								
709H Precision HART Loop Calibrator	715 Volt/mA Calibrator	707 Loop Calibrator	726 Precision multifunction calibrator	754 Documenting Process Calibrator-HART	789 ProcessMeter™ with 250 Ohm HART resistor	7526A Precision Process Calibrator	7102 Micro-Bath Thermometer Calibrators	9190A Ultra-Cool Field Metrology Well	914X Field Metrology Wells (temp and mA Loop)	418X Precision Infrared Calibrators (temp)	1523/1524 Handheld Thermometer Readout (temp)	1551A Ex and 1552A Ex “Stik” Thermometer Readout	700P Differential Pressure Modules	719 Portable Electric Pressure Calibrator	700G Precision Pressure Gauge Calibrator	2700G Series Reference Pressure Gauges	P5515 Comparison Test Pumps	P3100 Hydraulic Deadweight Testers	E-DWT-H Electronic Deadweight Tester	PPC4E Pressure Controller/ Calibrator	8845A/8846A 6.5 Digit Precision Multimeters	750 SW DPC/TRACK2 Software		