

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

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
- A Process 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



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

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

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

Fluke pharmaceutical solutions

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



Recommended pharmaceutical solutions

Laboratory calibration

Pressure controllers / calibrators

Recommended products: Best suited for:

Field Metrology Wells, Micro-Baths,

reference thermometers

General calibration of pressure gauges, transducers or transmitters that

Calibration of RTDs, thermocouples, thermistors, and thermal switches

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

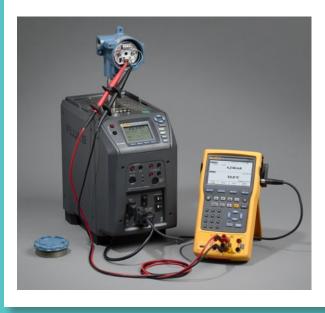
Loop calibrators and process meters Testing 4 to 20 mA analog signals and control system input/output

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

mometer of HVAC systems

Low pressure controller/ calibrator, low pressure handheld calibrators Air handlers, Magnahelics®, low pressure differential gauges

Efficiency testing

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.

Fluke Corporation

PO Box 9090, Everett, WA 98206 U.S.A.

Fluke Europe B.V. PO Box 1186, 5602 BD

PO Box 1186, 5602 BD Eindhoven, The Netherlands

For more information call: In the U.S.A. (800) 443-5853 or Fax (425) 446-5116

In Europe/M-East/Africa +31 (0) 40 2675 200 or Fax +31 (0) 40 2675 222 In Canada (800)-36-FLUKE or Fax (905) 890-6866 From other countries +1 (425) 446-5500 or

Fax +1 (425) 446-5116 Web access: http://www.fluke.com

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