

Automation System Engineers Private Limited

Sharing **PRODUCT SOLUTIONS** on

FLUKE PHARMACEUTICAL SOLUTIONS (by Fluke)

Technology Partners:



**FLUKE®**

Pharmaceutical 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 for electrical, multifunction, mA loop, temperature, pressure and flow applications, you can find the right tools for the challenges you face every day.

See our full line of innovative products at www.fluke.com.au

Building Control Technician

- Issues faced:**
 - Troubleshooting building environmental systems with immediate response
 - Maintaining uptime and production area cleanliness
 - Safety systems testing
- Fluke solutions:**
 - Fluke Connect®
 - Loop Calibration Tools
 - Temperature Calibration Tools
 - Pressure Calibration Tools
 - Indoor Air Quality
 - Infrared Cameras

Quality Manager

- Issues faced:**
 - Complying with quality regulations
 - Maintaining documentation of processes
- Fluke solutions:**
 - Fluke Connect
 - Multiprocess Calibration Tools
 - Loop Calibration Tools
 - Temperature Calibration Tools
 - Pressure Calibration Tools
 - Indoor Air Quality
 - Infrared Cameras

Reliability Engineer

- Issues faced:**
 - Specifying equipment to meet regulations and requirements
 - Preventing downtime
- Fluke solutions:**
 - Fluke Connect
 - Multiprocess Calibration Tools
 - Loop Calibration Tools
 - Temperature Calibration Tools
 - Pressure Calibration Tools
 - Infrared Cameras

Field Calibration and Instrumentation Technician

- Issues faced:**
 - Preventing downtime
 - Troubleshooting process interruptions
 - Testing safety systems
 - Maintaining product accuracy for regulations and quality
- Fluke solutions:**
 - Fluke Connect
 - Loop Calibration Tools
 - Temperature Calibration Tools
 - Pressure Calibration Tools
 - Indoor Air Quality
 - Electrical Test Tools
 - Infrared Cameras

Validation Technician

- Issues faced:**
 - Thermal validations and studies
 - Authoring and executing validation protocols, and writing reports of validation results
- Fluke solutions:**
 - Fluke Connect
 - Multiprocess Calibration Tools
 - Temperature Calibration Tools


















Lab Calibration

- Issues faced:**
 - Making accurate measurements
 - Documenting procedures
 - Increasing throughput
- Fluke solutions:**
 - Multiprocess Calibration Tools
 - Loop Calibration Tools
 - Temperature Calibration Tools
 - Pressure Calibration Tools

Diagram is not intended to be an exact representation.
Diagram components are not to scale and are for illustration purposes only.

Fluke Pharmaceutical Solutions

Learn how Fluke solutions can save you time and money while increasing productivity at www.fluke.com.au

Multiprocess Calibration Tools		Process Calibration Loop Tools		Process Calibration Temperature Tools				Process Calibration Pressure Tools			Electrical Test Tools		Infrared	Air Quality	Wireless	
Documenting Process Calibrators	Multifunction Process Calibrators	Process Loop Calibrators	Process Test Tools	Field Metrology Wells		Reference Thermometers	Temperature Calibrators	Pressure Gauges	Pressure Calibrators			Power Quality Analysers	Digital Multimeters	Professional Infrared Cameras	Indoor Air Quality	Fluke Connect®
 754	 726	 707	 773	 9190A	 9142	 1523	 724	 700G	 3130	 729	 718-1G	 430 Series II	 87V	 Ti480 PRO	 985	

Recommended Pharmaceutical Solutions

Power Quality Analysers

Best suited for:

- Troubleshooting and preventing problems in power generation, transmission and distribution systems
- Conducting load studies to reduce energy usage
- Use with motors, pumps, generators, transformers, compressors and electrical panels



Infrared Cameras

Best suited for:

- HVAC inspections
- Identifying “hot spots” in motors, pumps and compressors
- Detection of gas leaks in refrigeration systems



Fluke Connect®

Best suited for:

- Simplifying preventive maintenance programs
- Seamlessly integrating tool data into software
- Diagnosing asset health in the field
- Cloud-based data sharing



Field Metrology Wells

Best suited for:

- Automated comparison calibrations of RTDs and thermocouples (–95°C to 660 °C)
- Transmitter loop calibrations
- Thermal switch tests
- 21 CFR Part 11 compliance with TQSoft Thermal Validation Software and the Fluke Calibration 1586A Super DAQ Precision Temperature Scanner
- Pairs with Fluke 754 Documenting Process Calibrator



Pressure Calibrators

Best suited for:

- Pressure calibration of transmitters, gauges, switches and custody transfer meters
- Maintenance of almost any pressure device using pressure sourcing and mA measurements
- Calibrating P/I instruments with simultaneous pressure and current measurement



Multifunction process calibrators

Best suited for:

- Calibrating and maintaining process instrumentation and control systems
- Troubleshooting 4–20 mA loops, temperature, pressure, frequency and transmitters in one tool
- Performing HART transmitter adjustment



Indoor Air Quality

Best suited for:

- Troubleshooting and monitoring indoor air quality
- Optimising HVAC ventilation settings

