

**FLUKE®**

Facilities Maintenance Solutions

Fluke solutions for facilities maintenance professionals

Facilities maintenance personnel face a wide range of challenges, from electrical and mechanical equipment uptime to overall safety concerns. It's critical to maintain facilities and the associated assets at peak performance.

Fluke makes reliable, rugged and accurate tools to maintain electromechanical systems, motors, pumps, electrical distribution systems and more to keep your world up and running.

Recommended facilities maintenance solutions

Earth ground testers

Best suited for:

- Ensuring safety of personnel and proper operation of electrical equipment
- Diagnosing intermittent electrical problems related to poor earth grounding
- Earth resistance loop and soil resistivity testing



Insulation multimeters

Best suited for:

- Wide range of tests including simple spot checks to timed tests and breakdown tests
- Insulation resistance testing up to 10 kV
- Use with switchgear, motors, generators and cables



Cable testers

Best suited for:

- Verifying and troubleshooting copper and fiber data communications infrastructure.



Power quality analyzers

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



Acoustic imager

Best suited for:

- Quickly identifying location of gas and compressed air, and vacuum leaks from up to 164 feet away.
- Validating leak repairs on the spot



Digital multimeters

Best suited for:

- Electrical system installation and troubleshooting
- Quick voltage detection
- Environments with both AC and DC (autoVolt) or ghost voltages



Indoor air quality

Best suited for:

- Troubleshooting and monitoring indoor air quality systems
- Optimizing HVAC ventilation settings



Thermal imagers

Best suited for:

- Detection of "hot spots" in motors, pumps, VFDs, bearings and wheels
- Inspecting pipes, motors and pumps
- Monitoring of switching heaters



Vibration tester

Best suited for:

- Identifying root cause and diagnosing severity of machine's condition
- Use with motors, pumps, fans, compressors, belt/chain drives, gearboxes and spindles



Infrared thermometers

Best suited for:

- Quickly capturing spot measurements from a distance
- Accurately measuring up to 800 °C



Process calibrators

Best suited for:

- Calibrating process instruments and sensors, such as pressure or temperature transmitters.
- Troubleshooting and adjusting electrical, temperature, pressure, and other parameters.
- Paperless documentation of calibration workflows



Fluke Calibration

Best suited for:

- Ensuring the accuracy and quality of electrical, temperature, pressure, flow measurements for facilities maintenance solutions tools.



Genuine accessories

- Built with the same attention to safety, reliability and accuracy as our test tools.
- Expand the capabilities of your test tools while protecting them on the go.



Maintenance Manager

- Issues faced:
- Ensuring equipment uptime and prevent failure
 - Maintaining building facility readiness
 - Staying within budget
 - Safety of technical personnel

- Fluke solutions:
- Infrared cameras
 - Acoustic imagers
 - Vibration testers
 - Power logger
 - Clamp meters
 - Battery analyzers
 - Calibrators*

Maintenance Technician

- Issues faced:
- Meeting equipment standards and specifications
 - Preventative maintenance
 - Determining optimal machinery placements
 - Maintaining HVAC system up and running

- Fluke solutions:
- ▲ Process calibrators
 - ▲ Process test tools
 - Digital multimeters
 - Power loggers
 - Clamp meters
 - Insulation multimeters
 - Battery analyzers
 - Thermal imagers
 - Acoustic imagers
 - Vibration testers
 - + Temperature humidity meters
 - + Airborne particle counters
 - Calibrators*

*Regularly calibrate the tools used to ensure they are working within their specifications



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

Electrical Technician

- Issues faced:
- Commission, inspect, study and troubleshoot electrical distribution system
 - Prevent electrical system interruption
 - Preventive maintenance and electrical repair
 - Install, maintain and troubleshoot low-voltage wiring for security, control and A/V systems.

- Fluke solutions:
- Infrared cameras
 - Vibration testers
 - Power logger
 - Clamp meters
 - Digital multimeters
 - Electrical testers
 - Earth ground testers
 - Insulation multimeter
 - Battery analyzers
 - ⚡ Cable testers
 - Calibrators*

Mechanical Technician

- Issues faced:
- Preventive maintenance and mechanical asset uptime
 - Installation and maintenance of mechanical systems
 - Troubleshooting emergent issues




















- Fluke solutions:
- ▲ Process test tools
 - Digital multimeters
 - Electrical testers
 - Clamp meters
 - Insulation multimeter
 - Battery analyzers
 - Infrared thermometers
 - Acoustic imagers
 - Vibration testers
 - Calibrators*

IT Support

- Issues faced:
- Install, maintain and troubleshoot copper and fiber optic cabling
 - Pinpoint cable defects and ensure system viability

- Fluke solutions:
- ⚡ Cable and Network Testers Industrial Ethernet Tester

Facilities maintenance solutions

Network tools			Process Calibration		Electrical Testing							Infrared and Vibration				Air Quality				
FLUKE networks	Cable and Industrial thernet Testers		Process calibrators	Process test tools	Battery analyzer	Motor drive analyzer	Power loggers	Clamp meters	Insulation multimeters	Earth ground testers	Electrical testers	Digital multimeters	Thermal imagers	Acoustic imagers	Infrared thermometers	Vibration tools	Temperature humidity meters	Airborne particle counters		
																				
MicroScanner™ PoE	CableAnalyzer™ DSX-8000	LinkIQ and LinkIQ-IE	754	773	BT521ANG	MDA-550	1738	378FC	1587FC	1630-2 FC	T6-1000 PRO	3000FC	Ti401 Pro	TiS60+	ii900	568	805 FC	810	971	985