

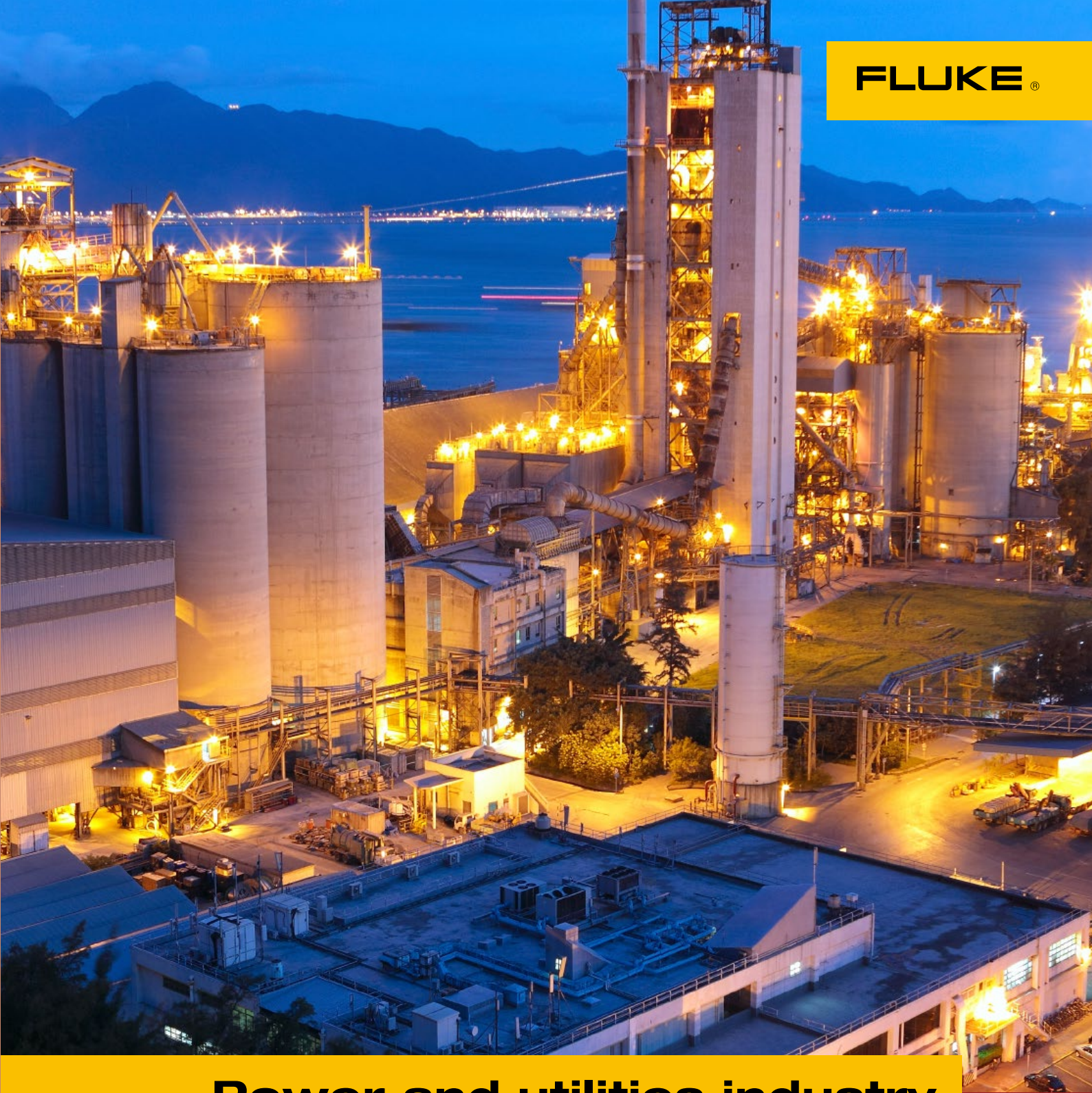
Recommended power generation solutions

| Multifunction calibrators | Temperature calibrators | Pressure calibrators | mA loop valve tester |
|---|---|---|---|
| Best suited for: <ul style="list-style-type: none">• Troubleshooting and calibrating 4–20 mA loops, temperature, pressure and frequency input instruments in one tool• Document the performance of temperature and calibrate pressure switches and transmitters Power generation applications: <p>Measure, source, and simulate dc loop current pressures and temperatures to assist in meeting quality or minimizing measurement errors in custody transfer.</p> <p>Pressure and temperature transmitter calibration; calibration and configuration of HART devices; documenting field calibrations for recall and upload. Assist in documenting the performance of EPA or NRC regulated devices.</p> | Best suited for: <ul style="list-style-type: none">• Troubleshooting and calibrating temperature instrumentation• Testing temperature sensors• Measuring and sourcing thermocouples and RTD's, plus volts and ohms into control system I/O Power generation applications: <p>Measure thermocouples, ohms, and volts to test sensors and transmitters by sourcing/simulating thermocouples, RTDs, volts and ohms; executing remote tests with auto step and auto ramp; powering transmitters during test using loop power supply with simultaneous mA measurement; calibrating linear TC transmitter; calibrating thermal imagers and infrared thermometers.</p> | Best suited for: <ul style="list-style-type: none">• Calibration of pressure transmitters, gauges and switches• Maintenance of almost any pressure device using pressure sourcing and milliamp measurements• Calibrating pressure and I/P instruments with simultaneous pressure and current measurement Power generation applications: <p>Pressure measurements using internal sensor; measure mA while sourcing. Precise manual or automatic pressure control. Ensuring safety of pressure containment vessels.</p> | Best suited for: <ul style="list-style-type: none">• Smart control valve testing and verification• Condition maintenance of control valve Power generation applications: <p>Ensuring safety through maintaining optimal performance of the control valve through quick valve testing method via HART</p> |
| | | | Pressure gauges and comparison test pumps |
| | | | Best suited for: <ul style="list-style-type: none">• Calibrating pressure gauges Power generation applications: <p>Provides a known stable reference pressure of higher accuracy for detecting and correcting errors in the pressure measuring device being tested.</p> |



More recommended power generation solutions

| Baths and dry-wells | Precision thermometers and probes |
|--|---|
| Best suited for: <ul style="list-style-type: none">• Calibration of dial thermometers• Calibration of RTDs and thermocouples• RTD and thermocouple calibration check• Temperature controller loop calibration• Temperature transmitter and sensor combined calibration• Temperature switch test Power generation applications: <p>Provides a stable reference temperature for comparing temperature measuring equipment against a standard of higher accuracy to detect and correct errors in the device being tested. Used for testing components of control and monitoring systems.</p> | Best suited for: <ul style="list-style-type: none">• Contact temperature measurement in fluids• Contact temperature measurement in thermowells and test wells for in situ comparisons with controllers, displays, and gauges.• Use as an external reference thermometer to improve calibration accuracy• Logging temperatures Power generation applications: <p>Provides a more accurate reference temperature for checking and calibrating temperature measurement equipment. Use to detect errors in other instruments to simply to determine temperature precisely. Intrinsically safe models such as the 1551 Ex may be used in potentially explosive atmospheres.</p> |



Power and utilities industry calibration solutions

The power and utilities industry is a demanding and diverse environment that requires reliable instruments that are both accurate and rugged. Whether you're working in power generation, transmission, distribution, or installation, you need accurate tools that you can count on for the bench and the field.

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.

Fluke. *Keeping your world up and running.®*

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Facility maintenance/ process technician

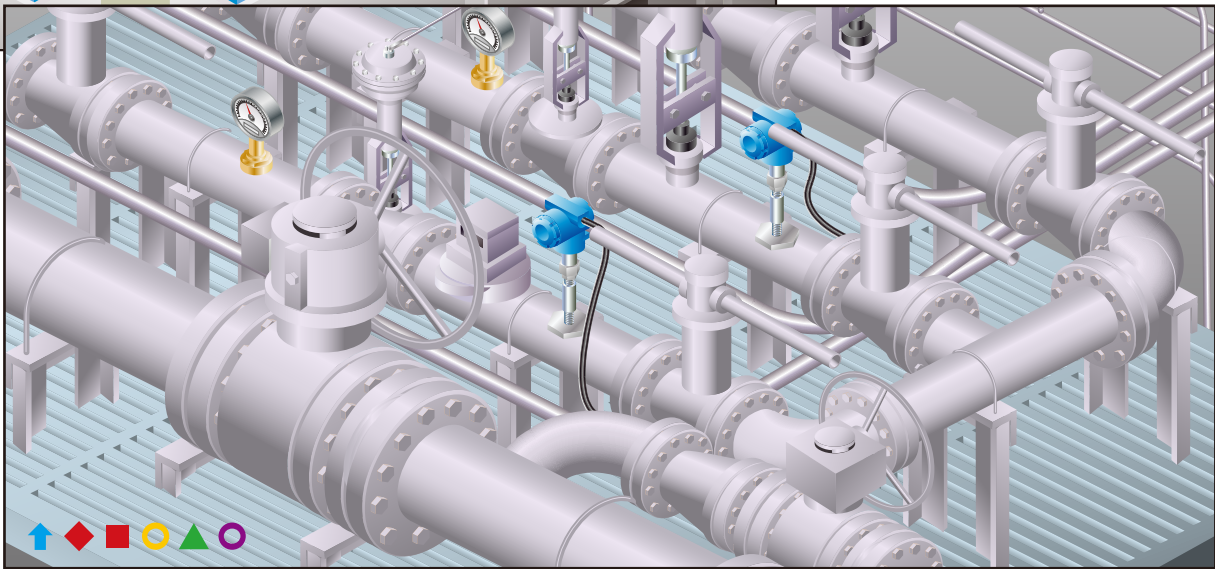
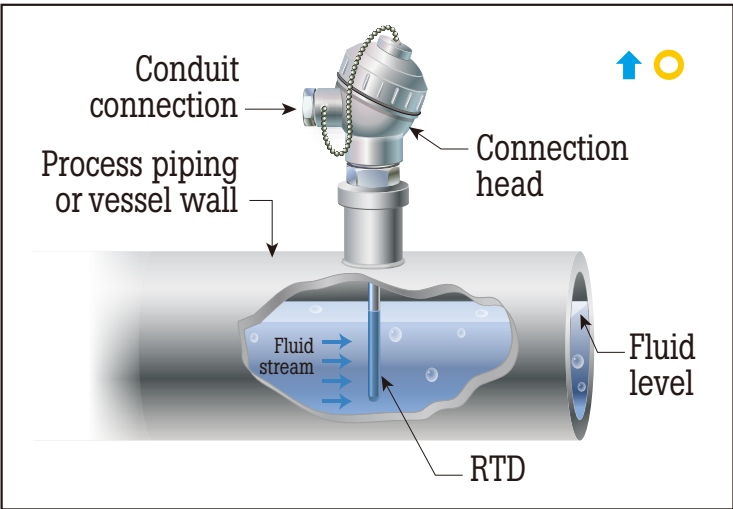
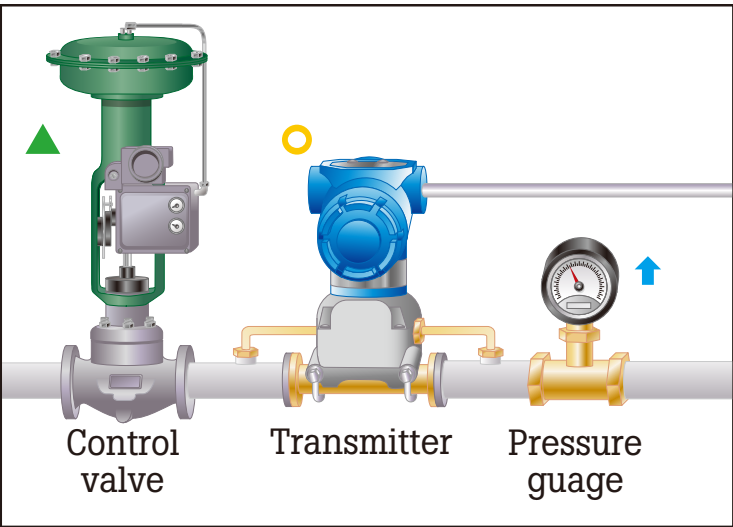
- Focus: power generation
- What issues do you face?
- Ensuring continuous and predictable uptime and downtime
 - Safety of personnel and the utility environment
 - Budget restrictions Troubleshooting process interruption with immediate response and repair

- Best suited for:
- Multifunction process calibrators
 - Pressure gauges and calibrators
 - Milliamp loop calibrator
 - Acoustic imager
 - Portable oscilloscopes
 - Earth ground tester
 - Thermal imager
 - Vibration tester
 - Alignment tool

Engineer

- Focus: process design and improvement
- What issues do you face?
- Specifying equipment to meet regulations and requirements
 - Preventing downtime

- Best suited for:
- Multifunction process calibrators
 - Pressure gauges and calibrators
 - Milliamp loop calibrator
 - Acoustic imager
 - Thermal imager
 - Portable oscilloscopes
 - Clamp meter
 - Multimeter



Instrument technician

- Focus: testing, maintenance and repair of equipment, instrumentsand systems
- What issues do you face?
- Downtime prevention
 - Safety systems testing
 - Troubleshooting process interruption with immediate response and repair
 - Leak rate testing

- Best suited for:
- Multifunction process calibrators
 - Pressure gauges and calibrators
 - Milliamp loop calibrator
 - Process test tools
 - Thermal imager
 - Clamp meter
 - Multimeter

Industrial calibration technician













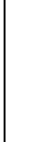







- Focus: calibrating measurement devices
- What issues do you face?
- Making accurate measurements
 - Documenting procedures
 - Increasing throughput

- Best suited for:
- Multifunction process calibrators
 - Pressure gauges and calibrators
 - Milliamp loop calibrator
 - Baths and Dry-wells
 - Software

Fluke power generation solutions

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

Based on you. Built by Fluke.

| Process calibration tools | | | | | | | | | | | Infrared and vibration tools | | | Acoustic Imager | Electrical Test tools | | | | Software |
|---|---|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Process test tools | Multifunction process calibrators | | | Pressure gauges and calibrators | | | mA loop valve tester | Baths and dry-wells (Temperature sensor calibration) | | | Infrared camera | Vibration tester | Alignment tool | Leak detection | Portable oscilloscopes | Earth ground tester | Clamp meter | Digital multimeter | Software solutions |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 773 Milliamp Process Clamp Meter | 726 Precision multifunction calibrator | 754 Documenting Process Calibrator - HART | 789 ProcessMeterTM with 250 Ohm HART resistor | 729 Automated Pressure Calibrator | 700G Precision Pressure Gauge | 721/721EX Dual sensor pressure calibrator | 710 milliamp loop valve tester | 7102 Micro-Bath Thermometer Calibrator | 914X Field Metrology Wells | 9103/9140 Dry-Well | Ti480 Pro | 810 Vibration Analyzer | 830 Shaft Alignment Tool* | ii910 Precision Acoustic Imager | 190 series II/ MDA-550 | 1625-2 Earth Ground Tester | 376FC Clamp Meter* | 87V Max Digital Multimeter | 750 SW DPC/TRACK2 Software |

*Fluke Connect (FC) products only valid in selected countries.