Fluke solutions can help you maintain operational reliability and environmental safety

Fluke understands the chemical processing industry faces a range of challenges from dynamic market fluctuations to high energy consumption to stringent regulatory requirements. Downtime, energy waste and inaccurate measurements can cost millions and chemical processing professionals know that it’s critical to maintain stable, continuous operations without sacrificing safety.

From pre-treating raw materials, to converting materials with a reactor, cracker or kiln, to mixing and purification, Fluke makes reliable tools that professionals in chemical processing can count on for accurate and consistent measurements—tools designed for the demanding chemical processing environment, the people who work there, and the challenges they face every day. With 65 years as the industry leader, they can feel confident that Fluke has the solutions they need to keep the chemical processing industry up and running.
### Maintenance Superintendent

**Issues faced:**
- Ensuring uptime is continuous and predictable
- Safety of personnel and the environment
- Maintaining high product quality
- Staying within budget

**Fluke solutions:**
- Multifunction process calibrators
- Power quality analyzers
- Vibration tester
- Thermal imagers

---

### Instrument Technician

**Issues faced:**
- Preventing downtime
- Safety systems testing
- Calibration of flow instruments
- Providing immediate response and repair during process interruptions

**Fluke solutions:**
- Process test tools
- Multifunction process calibrators
- Pressure calibrators
- Loop calibrators
- Portable oscilloscopes
- Digital multimeters

---

### Mechanic/Millwright

**Issues faced:**
- Meeting equipment standards and specifications
- Preventive maintenance
- Effectiveness of repairs (valve repacking)
- Assembling machinery
- Determining optimal machinery placements

**Fluke solutions:**
- Process test tools
- Vibration tester
- Alignment tool
- Infrared thermometers
- Thermal imagers

---

### Fluke Chemical Processing Solutions

#### Process Calibration Tools

- Multifunction process calibrators
- Loop calibrators
- Pressure calibrators
- Process test tools

#### Electrical Test Tools

- Power quality analyzers
- Portable oscilloscopes
- Power loggers

---

### Process Calibration Tools

- Series II 190
- 376FC
- 1587FC
- 28
- CV Series 568
- Ex TiX560
- Ti450

### Electrical Test Tools

- Ex TiX560
- Ti450
- CV Series 568

---

*Contact Fluke for more information on these solutions.*
Learn how Fluke solutions can save you time and money while increasing efficiency and safety at www.fluke.com
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

Process clamp meters
- Best suited for:
  - Measuring 4-20 mA signals without “breaking the loop” in process controls systems
  - Sourcing 4-20 mA signals for testing control systems
  - Measuring 10-50 mA signals in older control systems using the 99.9 mA range
  - Taking measurements in hard-to-reach and hard-to-see areas

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

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

Vibration tester
- Best suited for:
  - Predictive and condition-based maintenance
  - Identifying root cause and diagnosing severity of machine’s condition
  - Prioritizing critical repair and replacement options
  - Use with motors, pumps, fans, compressors, belt/chain drives, gearboxes and spindles

Thermal imagers
- Best suited for:
  - Capturing and troubleshooting tank levels
  - Detection of “hot spots” on motors, pumps, VFDs, bearing and conveyor belts
  - Use with steam traps on stainless steel lines
  - Inspecting boilers, process heaters and other heat-generating units

Temperature calibrators
- Best suited for:
  - Testing sensors and transmitters
  - Sourcing and simulating thermocouples, RTDs, volts and ohms
  - Powering transmitters during test

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

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

Fluke Europe B.V.
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) 880-6866
From other countries +1 (425) 446-5500 or Fax +1 (425) 446-5116
Web access: http://www.fluke.com

©2015, 2017 Fluke Corporation. Specifications subject to change without notice.
Printed in U.S.A. 9/2017 6004066c-en