


Recommended petrochemical solutions

Power quality analyzers

Best suited for:

- Troubleshooting and preventing problems in power distribution systems

Petrochemical applications:
Generators, harmonics (electronics), load studies




Thermal imagers

Best suited for:

- Displaying a visual image of surface temperatures to easily and safely identify potential problems


Petrochemical applications:
Steam traps, electrical panels, motors, VFDs, tanks, refractory, furnaces, reformers, transformers, and pumps



Process tools

Best suited for:
Troubleshooting and calibrating current loop applications using the functionality of a loop calibrator and digital multimeter built into one tool.

Petrochemical applications:
Measure, source, and simulate dc loop current




Infrared thermometers

Best suited for:

- Surface temperature readings
- Finding heating and ventilation problems
- Non-contact monitoring of electrical motors and panels

Petrochemical applications:
Heating, motors, cooling, circuit breakers




More recommended petrochemical solutions

Documenting process calibrators

Best suited for:

- Calibration and maintenance of process instrumentation and control systems.
- Sourcing, measuring and documenting virtually any process variable

Petrochemical applications:
Pressure and temperature transmitter calibration; calibration and configuration of HART devices; documenting field calibrations for recall and upload




Insulation multimeters

Best suited for:

- Wide range of insulation resistance and digital multimeter tests including simple spot checks to timed tests
- Troubleshooting and preventive maintenance

Petrochemical applications:
Switchgear, motors, variable speed drives, generators, electrical systems and cables; test voltages from 50 V to 1000 V (Insulation tester to 5000 V also available)



Pressure calibrators

Best suited for:

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

Petrochemical applications:
Pressure measurements using internal sensor; measure mA while sourcing 24 V loop power




mA Process clamp meters

Best suited for:

- Measuring 4 to 20 mA signals *without breaking the loop*
- Sourcing, simulating and measuring mA
- Sourcing, measuring DC voltage

Petrochemical applications:
mA sourcing, simulation and measurement; loop calibration, maintenance and repair




Temperature calibrators

Best suited for:

- Troubleshooting and calibrating temperature
- Testing temperature sensors and transmitters
- Measuring and sourcing thermocouples and RTD's, plus volts and ohms

Petrochemical applications:
Measure thermocouples, ohms, and volts to test sensors and transmitters; calibrate 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



Handheld oscilloscopes

Best suited for:

- Troubleshooting and installation applications
- Finding fast answers to problems in machinery, instrumentation, control and power systems
- Bus health testing for industrial bus systems
- Applications when you need oscilloscope, multimeter and "paperless" recorder, but want to carry a single tool

Petrochemical applications:
Oscilloscope, resistance and continuity measurement; high frequency measurements; bus health and power measurements



Petrochemical professionals can find application notes, case studies and demos of Fluke solutions at Transcat.com/FlukePetrochem

Intrinsically Safe Test Tools and Standards

North American rating			
Division 1		Division 2	
European ATEX			
Zone 0	Zone 1	Zone 2	
Gas Presence			
≤1000 hours/year	>10 hours, ≤1000 hours/year	>1 hour, <10 hours/year	

Certification	Fluke products	Main application	
ATEX	707Ex Loop Calibrator	Source and measure mA signals	All Gases
ATEX	718Ex Pressure Calibrator	Calibrate pressure transmitters and switches	All Gases
ATEX	725Ex Multifunction Calibrator	Calibrate almost any process device	All Gases
ATEX	87V-Ex Industrial Ex Multimeter	True-rms IEC-1000 CAT IV 600 V/rating	All Gases

How do you know if the combination of test tool and device under test is safe?

Visit www.fluke.com/esd and order a free compatibility safe rating CD.

View the FREE Digital Library at www.transcat.com/library

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The world depends on petrochemical manufacturing

Fluke solutions can help you maintain operational reliability and environmental safety

Fluke understands the petrochemical industry faces a range of challenges from dynamic market fluctuations to multiple stringent regulatory requirements. However the demand to provide consistent, quality products is on the rise while expectations to maintain safe, cost-effective, continuous operations are unflagging.

You can depend on Fluke to provide tools designed for petrochemical professionals and the challenges you face. Fluke tools—the industry benchmark against which other tools are measured.

See Fluke's full line of innovative products at www.ftranscat.com

Maintenance Superintendent

Focus:
Site functionality, safety regulations,
budget goals

Issues faced:

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

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Fluke solutions:

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- Power quality analyzers
- ▲ Process tools

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Instrument Technician

Focus:
Equipment and systems testing, maintenance and repair

Issues faced:

- Preventing downtimes
- Safety systems testing
- Providing immediate response and repair during process interruptions

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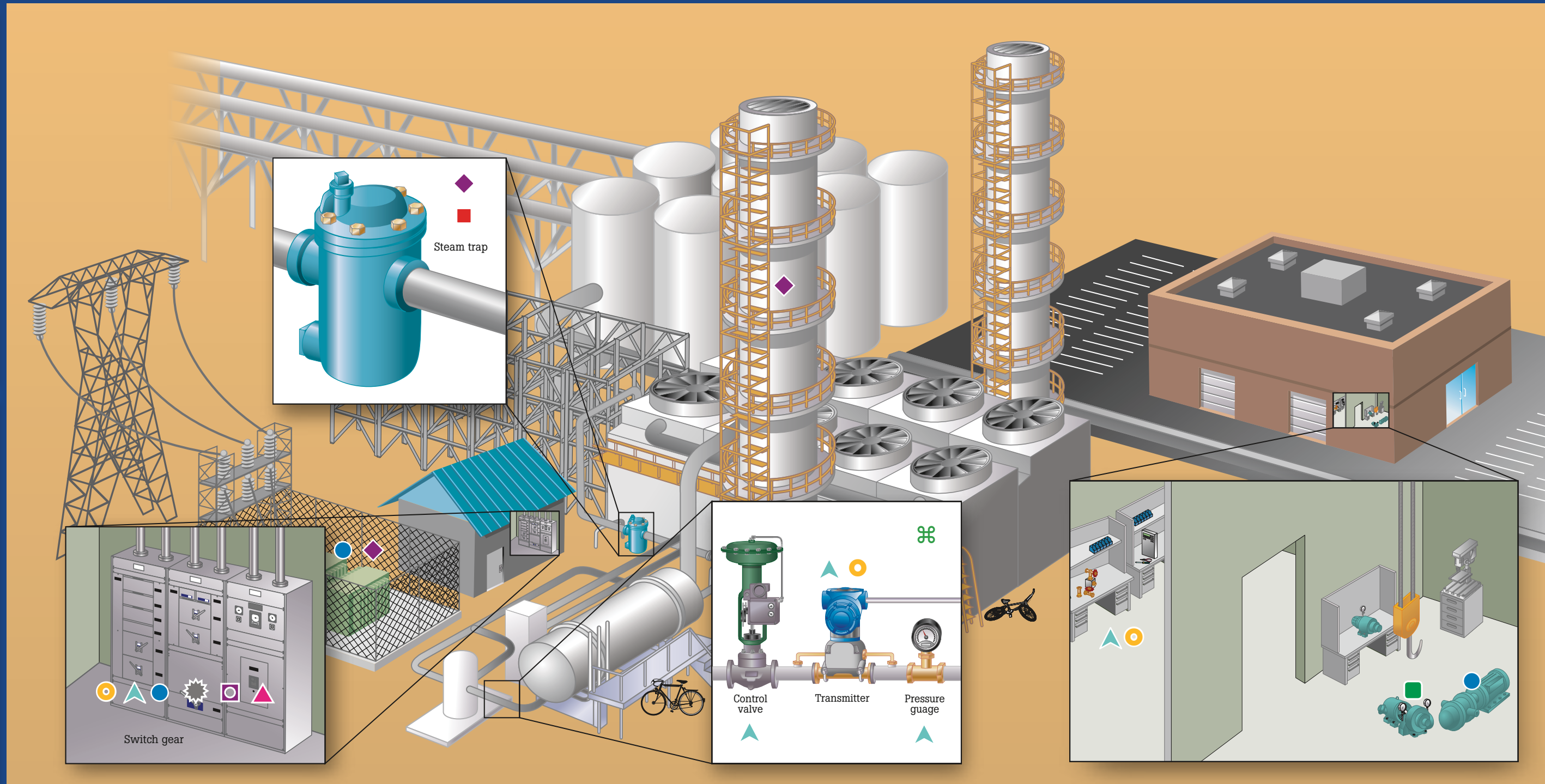
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- ▶ Process tools
- ▶ Documenting process calibrators
- ▶ Handheld oscilloscopes
- ▶ Pressure calibrators
- ▶ Loop calibrators

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Mechanic/Millwright

Focus:
Installation, assembly, and preventive maintenance

Issues faced:

- Meeting equipment standards and specifications
- Assembling machinery
- Determining optimal machinery placements

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Electrician

Focus: Electrical installation, maintenance and repair

Issues faced:

- Delivering efficient, consistent and quality power from utility or generation to process systems
- Maintaining safety and high energy systems
- Controlling efficient breakers and motors

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

Fluke
petrochemical
solutions

**Learn how Fluke solutions can
save you time and money while
increasing efficiency and safety at
transcat.com/flukepetrochem
Based on you. Built by Fluke.**

Process tools			Power quality analyzers	Documenting process calibrators	Pressure calibrators	Loop calibrators	Thermal imagers/IR Windows	Digital multimeters	Vibration tester	Clamp meters	Temperature calibrators	Infrared thermometers	Insulation multimeters	Handheld oscilloscopes
							 							
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