

Recommended Oil and Gas Tools

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



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
- Full line of pressure accessories and pumps for onsite and workshop



Process Tools

Best suited for:

- Maintenance and calibration of process instruments and control system I/O
- Measuring, sourcing and simulating 4-20 mA control loops



Vibration Testers

Best suited for:

- Predictive and condition-based maintenance
- Identifying root cause and diagnosing severity of machine's condition
- Prioritising critical repair and replacement options
- Use with motors, pumps, fans, compressors, belt/chain drives, gearboxes and spindles



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



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 system I/O or I/Ps
- 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



Infrared Cameras

Best suited for:

- Inspecting pipes, motors and pumps
- Capturing tank levels
- Quickly detecting "hot spots" in hard-to-reach electrical panels
- Detection of refractory damage on process heaters
- Insulation inspection on boilers, gas turbines and regeneration units



Precision Acoustic Imagers

Best suited for:

- Detecting and locating partial discharge, corona discharge as well as gas and vacuum leaks
- Identifying compressed air leaks to maintain high voltage equipment and prevent catastrophic events



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Oil and Gas Downstream Solutions

Fluke solutions can help you maintain operational reliability and environmental safety

Fluke understands the oil and gas industry faces a range of challenges from dynamic market fluctuations to multiple stringent regulatory requirements, and downtime and inaccurate measurements can cost millions. The professionals that work in oil and gas know it is critical to maintain stable, continuous operations without sacrificing safety.

Onshore or offshore, upstream to downstream, Fluke makes reliable tools that professionals in the oil and gas industry can count on for accurate and consistent measurements. Fluke tools are designed for the demanding oil and gas environment, the people who work there, and the challenges they face every day. With 75 years as the industry leader, they can feel confident that Fluke has the solutions they need to keep the oil and gas industry flowing.

See our full line of innovative products at www.fluke.com/en-my

Maintenance Superintendent

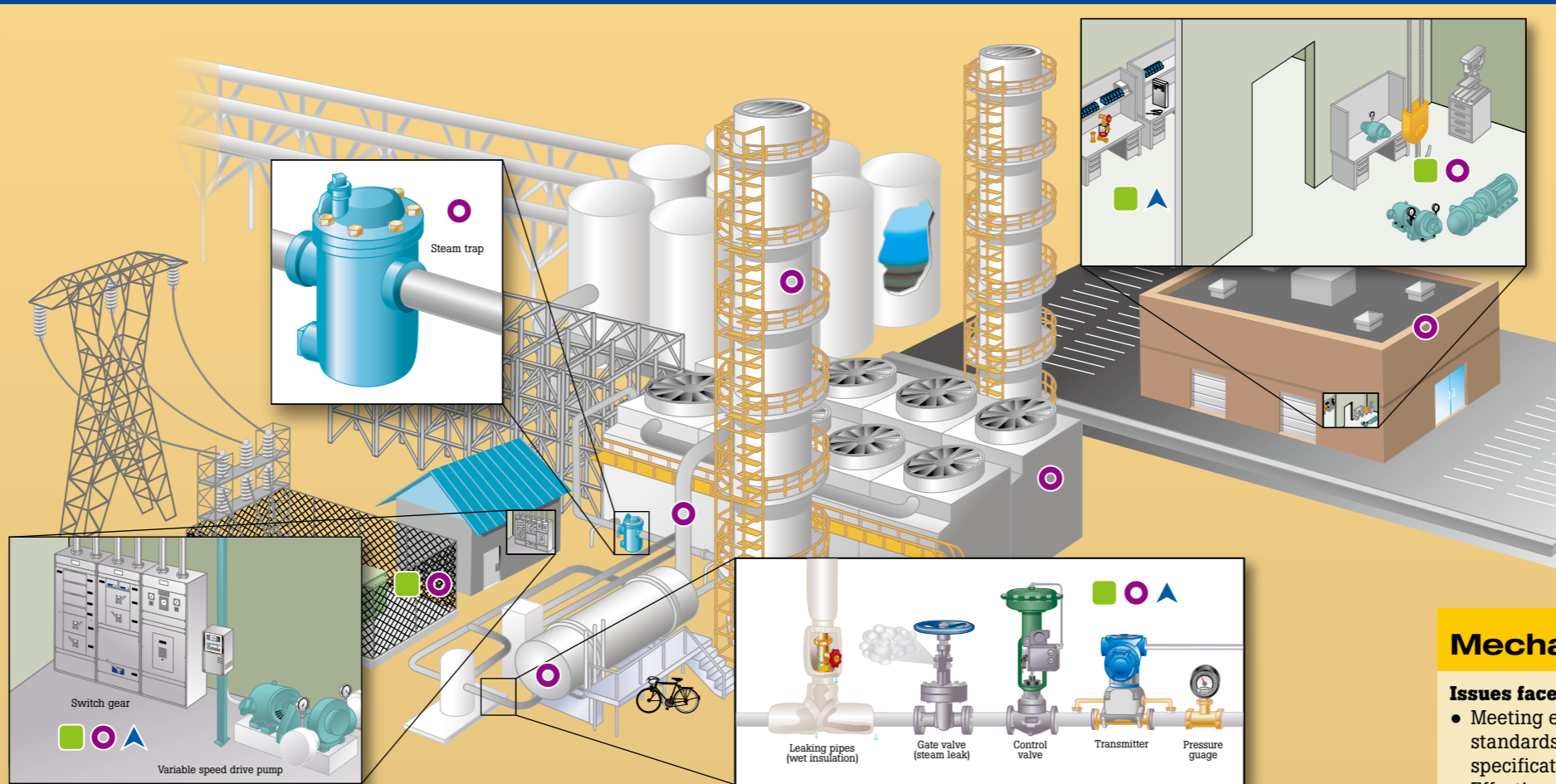
- Issues faced:**
- Ensuring uptime is continuous and predictable
 - Safety of personnel and the environment
 - Maintaining high product quality
 - Staying within budget

- Best suited for:**
- ▲ Process Test Tools
 - Power Quality Analysers
 - Vibration Testers
 - Infrared Cameras
 - ◆ Precision Acoustic Cameras

Instrument Technician

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

- Best suited for:**
- ▲ Process Test Tools
 - ▲ Multifunction Process Calibrators
 - ▲ Loop Calibrators
 - ▲ Pressure Calibrators
 - ▲ Temperature Calibrators
 - Portable Oscilloscopes
 - Digital Multimeters



Measurement Technician

- Issues faced:**
- Accurate measurements of flow
 - Calibration of flow instruments
 - Repair verification
- Best suited for:**
- ▲ Process Test Tools
 - ▲ Pressure Calibrators
 - Insulation Multimeters
 - Infrared Cameras
 - Infrared Thermometer

Electrician

- 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

- Best suited for:**
- ▲ Process Test Tools
 - Clamp Meters
 - Power Quality Analysers
 - Insulation Multimeters
 - Power Loggers
 - Earth Ground Testers
 - Infrared Thermometers
 - Vibration Testers

Mechanic

- Issues faced:**
- Meeting equipment standards and specifications
 - Effectiveness of repairs (valve repacking)
 - Assembling machinery
 - Determining optimal machinery placements
- Best suited for:**
- ▲ Process Test Tools
 - Infrared Cameras
 - Infrared Thermometers
 - Vibration Testers
 - Alignment Tools

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

Fluke Oil and Gas Solutions

Learn how Fluke solutions can save you time and money while increasing efficiency and safety at www.fluke.com/en-my

Process Calibration Tools					Electrical Test Tools							Infrared and Vibration Tools			Precision Acoustic Cameras		
Multifunction Process Calibrators	Loop Calibrators	Pressure Gauges and Calibrators	Temperature Calibrators	Process Test Tools	Power Quality Analyzers	Portable Oscilloscopes	Power loggers	Clamp Meters	Earth Ground Testers	Insulation Multimeters	Digital Multimeters	Professional Infrared Cameras	Infrared Thermometers	Vibration Testers	Precision Acoustic Imagers		
754	709H	729 PRO	730G	724	789	773	1770 series	190 Series III	1738	376	1625-2 Kit	1587	28 II Ex	Ti480U	568 EX	810	ii910