Recommended utility solutions

**Fluke Connect**
- Best suited for: Simplifying preventive maintenance programs
- Best suited for: Seamlessly integrating tool data into software
- Best suited for: Diagnosing asset health in the field
- Best suited for: Cloud-based data sharing

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

**Power quality analyzers**
- Best suited for: Troubleshooting and preventing problems in power generation, transmission and distribution systems
- Best suited for: Conducting load studies to discover the changing load of the network
- Best suited for: Use with motors, pumps, generators, transformers, compressors and electrical panels

**Power loggers**
- Best suited for: Capturing and logging over 500 power quality parameters
- Best suited for: Troubleshooting and performing advanced power quality analysis on power quality issues
- Best suited for: Network load surveys to determine the effects of customers individual systems

**Clamp meters**
- Best suited for: Verifying the presence of load current, AC/DC voltage and continuity
- Best suited for: Measuring 1000 A AC/DC (2500 A AC with iFlex) in motors, pumps, compressors, fans, blowers, vaults and bus bars
- Best suited for: Measuring loads and line frequency in circuits

**Infrared windows**
- Best suited for: Reducing time needed to conduct regular infrared inspections
- Best suited for: Ensuring employee safety by eliminating exposure to live equipment
- Best suited for: Improving productivity by reducing number of technicians needed to conduct inspections
- Best suited for: Use with electrical cabinets, distribution switchgear, transformers, generator connections and communication equipment racks

**Thermal imagers and SF6 Gas Detectors**
- Best suited for: Inspection of electrical panels and detection of “hot spots” on breaker panels and bus work
- Best suited for: Monitoring cooling fluid levels such as dielectric oils for transformers
- Best suited for: Use with steam traps, electrical panels, motors and VFD’s
- Best suited for: Detect and pinpoint exact location of SF6 leak without shutting down equipment

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

**Fluke solutions for accurate information and consistent performance**

The utilities industry is a uniquely demanding and frequently dangerous environment. Whether you work in power generation, transmission, distribution, or installation, you can’t afford test or measurement errors. Fluke tools are built to the highest safety and reliability standards. Depend on Fluke, the industry standard against which all other tools are measured.
Fluke utilities solutions

Facility Maintenance/Process Technician
Issues faced:
- Ensuring continuous and predictable uptime and downtime
- Safety of personnel and the utility environment
- Budget restrictions
- Immediate response and repair to process interruptions
Fluke solutions:
- Fluke Connect
  - Multifunction process calibrators
- Process test tools
- Clamp meters
- Power quality analyzers
- Portable oscilloscopes
- Insulation testers
  - Thermal imagers and SF6 Gas Detectors
- Vibration tester
- Alignment tool

Power Quality Technician
Issues faced:
- Network optimization
- Customer downtime prevention
Fluke solutions:
- Fluke Connect
  - Multifunction process calibrators
- Digital multimeters
- Clamp meters
- Earth ground testers
- Power quality analyzers
- Power loggers
- Thermal imagers

Substation Technician
Issues faced:
- Preventative maintenance
- Equipment protection with proper grounding
- Transformer breaker and relay performance
Fluke solutions:
- Fluke Connect
- Digital multimeters
- Clamp meters
- Earth ground testers
- Insulation testers
- Thermal imagers and SF6 Gas Detectors
- Infrared windows
- High voltage tester

Lineman
Issues faced:
- Safety during troubleshooting and connectivity
- Accurate and consistent data
Fluke solutions:
- Fluke Connect
  - Digital multimeters
  - Clamp meters
  - Thermal imagers

Energy Audit Technician
Issues faced:
- Areas of improper insulation
- Unwanted air infiltration and exfiltration
- Quality energy audits
Fluke solutions:
- Fluke Connect
  - Power quality analyzers
  - Power loggers
  - Earth ground clamp meters
  - Thermal imagers

Process Quality Technician
Issues faced:
- Network optimization
- Customer downtime prevention
Fluke solutions:
- Fluke Connect
  - Multifunction process calibrators
- Digital multimeters
- Clamp meters
- Earth ground testers
- Power quality analyzers
- Power loggers
- Thermal imagers

Meter Shop Technician
Issues faced:
- Voltage quality
- Accurate revenue measurements
Fluke solutions:
- Fluke Connect
- Digital multimeters
- Clamp meters
- Earth ground testers
- Power quality analyzers
- Earth ground clamp meters
- Alignment tool

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