Professionals involved in transportation infrastructure or vehicle operations are under extreme pressure to keep their systems moving smoothly and safely.

Fluke makes rugged, reliable, quality tools you can count on to meet the demanding needs of our transportation systems. Depend on Fluke, the industry standard against which all other tools are measured.

Transportation—Light and Commuter Rail Solutions
Supervisors/ Superintendents

Issues faced:
- Ensuring uptime is continuous and predictable
- Limiting downtime
- Safety of personnel and the environment
- Budget control
- On-time scheduling

Fluke solutions:
- Fluke Connect
- Power quality analyzers
- Thermal imagers

Vehicle Maintenance

Issues faced:
- Troubleshooting for immediate response and repair
- Quick turnaround time
- Predictive and preventive maintenance

Fluke solutions:
- Fluke Connect
- Indoor air quality
- Digital multimeters
- Battery analyzers
- Clamp meters
- Insulation multimeters
- Portable oscilloscopes
- Infrared thermometers
- Vibration tester

Fluke light/commuter rail solutions

### Electrical Test Tools

<table>
<thead>
<tr>
<th>Power quality analyzers</th>
<th>Portable oscilloscopes</th>
<th>Power loggers</th>
<th>Clamp meters</th>
<th>Insulation multimeters</th>
<th>Earth ground testers</th>
<th>Battery analyzers</th>
</tr>
</thead>
<tbody>
<tr>
<td>430 Series II</td>
<td>190 Series II</td>
<td>1738</td>
<td>376 FC</td>
<td>1587 FC</td>
<td>1625-2 Kit</td>
<td>BT521</td>
</tr>
</tbody>
</table>
Wayside Maintenance

Issues faced:
- Maintaining consistent quality power loads
- Controlling downtime

Fluke solutions:
- Fluke Connect
- Insulation multimeters
- Digital multimeters
- Earth ground testers
- Clamp meters
- Power loggers
- Infrared thermometers
- Thermal imagers

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

Fluke offers a full line of transportation solutions to fit all needs. Go to www.fluke.com for detailed information on these products.
Recommended transportation solutions

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

Earth ground testers
Best suited for:
- Ensuring safety of personnel and proper operation of electrical equipment
- Diagnosing intermittent electrical problems related to poor earth grounding
- Earth resistance loop and soil resistivity testing

Digital multimeters
Best suited for:
- Electrical system installation and troubleshooting
- Quick voltage detection
- Environments with both AC and DC (autoVolt) or ghost voltages

Indoor air quality
Best suited for:
- Troubleshooting and monitoring indoor air quality
- Optimizing HVAC ventilation settings

Infrared thermometers
Best suited for:
- Quickly capturing spot measurements from a distance
- Accurately measuring up to 800 °C

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

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

Thermal imagers
Best suited for:
- Detection of “hot spots” in motors, pumps, VFDs, bearings and wheels
- Rail axle inspection through corrosion fatigue tests
- Monitoring of switching heaters

Battery analyzers
Best suited for:
- Maintenance, trouble-shooting and individual stationary batteries and battery banks used in critical battery back-up applications
- Designed for measurements on stationary batteries of all types