

Recommended transportation solutions

Digital multimeters

Best suited for:

- VSD motor drive installation and troubleshooting
- Quick, voltage measurement
- Environments with both ac and dc (autoVolt) or ghost voltages

Transportation applications:

Motors, drives, electrical panels



Electrical testers

Best suited for:

- Measuring loads on a branch circuit at a service level
- Measuring the load side voltage of a circuit breaker or fuse
- Mapping outlets to breakers

Transportation applications:

Overhead lighting, outlets, vehicle lighting, wayside panels, control and signal panels



Power quality

Best suited for:

Troubleshooting and preventing problems in power distribution systems

Transportation applications:

Generators, harmonics (electronics), load studies, switchgear



Thermal imagers

Best suited for:

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

Transportation applications:

Steam traps, electrical panels, motors, VFDs, rail and car inspections, bearings, and building and facility inspections



Infrared thermometers

Best suited for:

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

Transportation applications:

Motors, circuit breakers, heating, cooling, bearings



Indoor air quality

Best suited for:

- Troubleshooting and maintaining indoor air quality
- Optimizing HVAC ventilation settings
- Monitoring air quality and factors that may detract from comfort/safety

Transportation applications:

HVAC system, test and balance, ventilation management



Insulation tester

Best suited for:

- Wide range of tests including simple spot checks to timed tests and breakdown tests
- Preventive maintenance

Transportation applications:

Switchgear, air handler motors, generators and cables; Test voltages of 250 V, 500 V, 1000 V, 2500 V, and 5000 V



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.

Transportation applications:

Measure, source, and simulate dc loop current in generation facilities



Earth ground testers

Best suited for:

- Ground resistance testing
- Detecting reliable ground connections.

Transportation applications:

3-pole fall-of-potential earth testing for basic measurements, 2-pole resistance measurements



Access a variety of application notes, case studies and posters at www.fluke.com.

Fluke. Keeping your world up and running.®

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) 890-6866
From other countries +1 (425) 446-5500 or Fax +1 (425) 446-5116
Web access: <http://www.fluke.com>

©2007 Fluke Corporation.
Specifications subject to change without notice.
Printed in U.S.A. 9/2007 3106124 B-EN-N Rev A

Transportation—Light and Commuter Rail.
Keeping us moving.
Fluke. Keeping light rail moving.

Fluke solutions for transportation professionals.

Transportation professionals need to be able to count on their test and measurement tools. If they're involved in the infrastructure or vehicle operations they are under extreme pressure to keep their transportation systems moving smoothly and safely.

Fluke makes rugged, reliable, quality tools transportation professionals can count on. We understand how many people are relying on them, day in and day out. Fluke designs tools that meet the demanding needs of our transportation systems.

Supervisors/ superintendents

Responsibilities/departments:
rail equipment maintenance,
maintenance of way, facilities
maintenance

What issues do you face?

- Ensuring uptime is continuous and predictable
- Limiting/controlling downtime
- Safety of personnel and the environment
- Budget control
- On-time scheduling

Fluke solutions:

- ◆ Thermal imagers
- Power quality

Vehicle maintenance

Responsibilities: Inspection and repair, shop operation

What issues do you face?

- Troubleshooting for immediate response and repair
- Quick turn-around time
- Predictive/preventive maintenance

Fluke solutions:

- ★ Digital multimeters
- ◆ Electrical testers
- Infrared thermometers
- IAQ
- ⚙ Insulation testers
- ▲ Process tools

Wayside maintenance

Responsibilities: substations, signals, tracks, TES (traction electrification system)

What issues do you face?

- Maintaining consistent quality power loads
- Controlling downtime

Fluke solutions:

- ⚙ Insulation testers
- ★ Digital multimeters
- ◆ Electrical testers
- Infrared thermometers
- ◆ Thermal imagers
- ▲ Process tools
- ◆ Earth ground testers

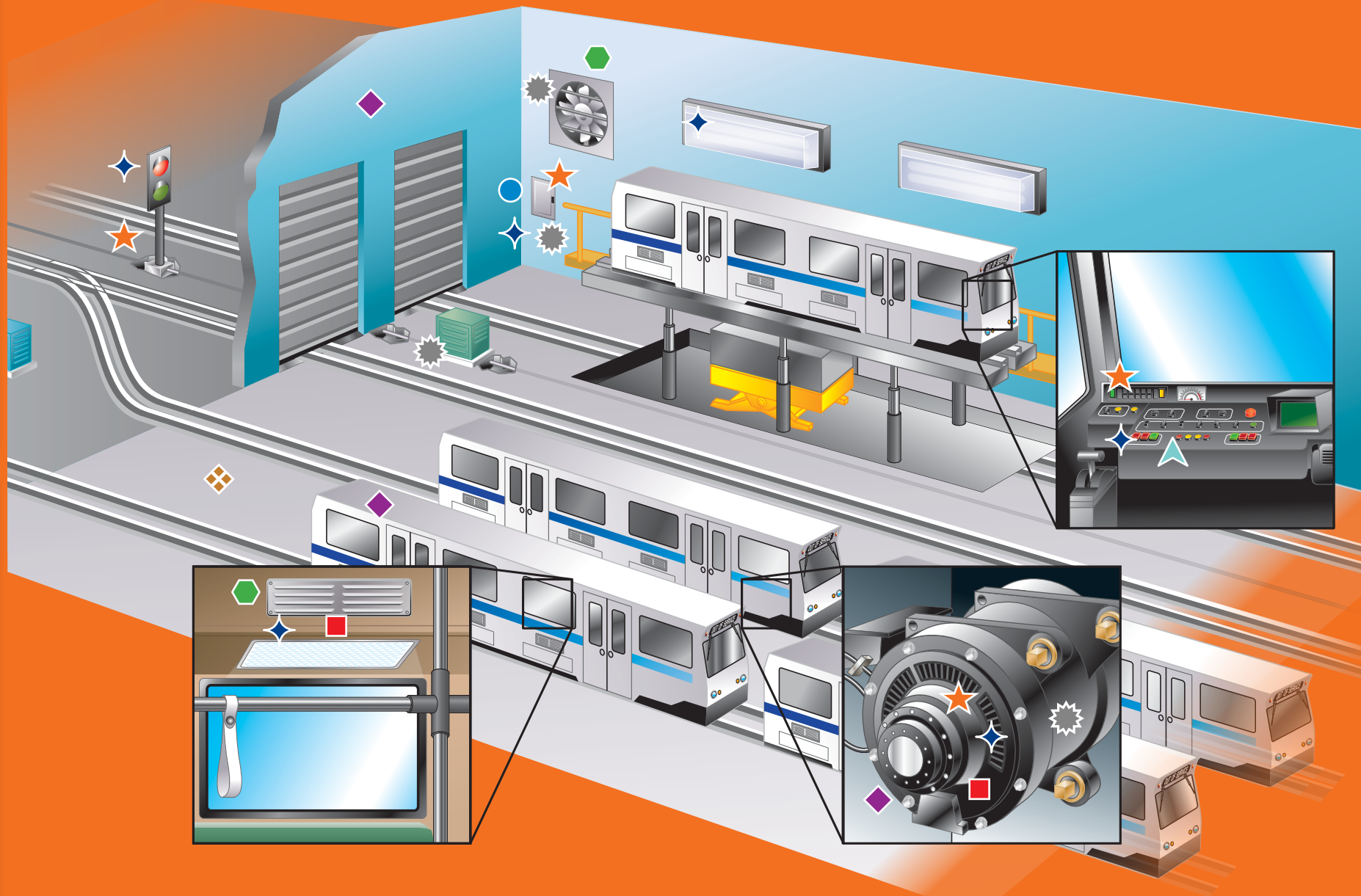


Diagram is not intended to be an exact representation. Diagram components are not to scale and are for illustration purposes only.

Fluke light/ commuter rail solutions

Fluke offers a full line of light/
commuter rail solutions to fit
all needs. Go to www.fluke.com
for detailed information
on these products.

Digital multimeters	Power quality analyzers	Electrical testers	IAQ	Thermal imagers	Insulation testers	Infrared thermometers	Earth ground	Process tools
 11x series	 43X Series	 T5 series	 975	 Ti Series	 1587	 6X series 56X series	 1625	 78x series