

## Recommended eMobility/utility solutions

### EVSE test adapter

**Best suited for:**

- Checking protective earth for correct wiring and functioning
- Performing GFCI troubleshooting and verifying operation is within safety standards
- Testing the charging states with CP state simulation



### Oscilloscopes

**Best suited for:**

- Checking the charging states and duty cycle of an EVSE
- Visualizing the EVSE frequency
- Ensuring charging communication protocol between the EVSE and EV is accurate



### Power quality analyzers

**Best suited for:**

- Checking power cables running to the station.
- Ensuring correct voltage feeding into the EVSE is accurate and load is balanced.



### Multifunction testers

**Best suited for:**

- Pairing with the FEV100 to perform more in-depth circuit analysis.
- Measuring how long for circuit to open and exact current when the circuit trips.



### Battery analyzers

**Best suited for:**

- Testing backup battery systems for utility distribution.
- Backup battery systems are used for load management to help avoid stress to the grid during peak times.



### Digital multimeters

**Best suited for:**

- Pairing with the FEV100 checking output voltages of EVSE charging states.
- Pairing with the FEV100 using the DMM in Duty Cycle function to check maximum charging current.



### Earth ground testers

**Best suited for:**

- Measuring the leakage current flowing through the system.
- Performing ground tests in places that were previously difficult where there is no access to soil to place auxiliary test stakes.



### Thermal imagers

**Best suited for:**

- Scanning electrical cable connections to verify a connection
- Detecting hot or cold spot anomalies, which may be potential issues (excl.: loose connection)
- Provides a safe, non-contact first-line preventive maintenance tool



### Genuine accessories

**Best suited for:**

- Provides a safe method to verify that your electrical test tool is operating properly before and after you conduct any live tests
- Verifying functionality, making this unit a simple-to-use solution for complying with TBT verification of your test tool



## eMobility

As the electric vehicle (EV) market accelerates, so do the needs for electric vehicle supply equipment (EVSE) from installation to critical infrastructure maintenance.

Fluke offers a range of eMobility solutions including electrical testers, insulation testers, thermal cameras and EVSE testers to help you perform fast, accurate measurements for efficient routine checks and troubleshooting of EVSEs, all while providing the highest level of safety.





**EVSE Technician**

**Focus:**














- Lead preventative maintenance
- Troubleshooting
- Monitoring
- Installation

**Job needs:**

- EVSE test adapter
- Digital multimeter
- Clamp meter
- Oscilloscope
- Insulation and power quality
- Thermal imager
- ★ Battery analyzer
- ▼ Earth ground
- Insulated hand tools

**eMobility/Utility solutions**

Learn how Fluke solutions can save you time and money while increasing your productivity at [www.fluke.com](http://www.fluke.com).

EVSE	Electrical testing tools					Power quality	Thermal imager	Battery analyzer	Earth ground	Accessories		
EVSE test adapter	Digital multimeter	Oscilloscopes	Multifunction tester	Clamp meter	Insulation multimeter	Power quality analyzers	Thermal imager	Battery analyzer	Earth ground clamp	Backpack	Insulated hand tools	Proving unit
 FEV100	 87V	 120B Series	 1664 FC	 393 FC	 1587 FC	 1777	 PTi120	 500 Series	 1630-2	 Pack30		 PRV240