New Product Announcement

February 2024

Announcing Fluke's Next Generation eMobility Product
New FEV150 EV Charging Station Analyzer

Test the safety and functionality of AC electrical vehicle charging stations with the all-in-one tool that is safe, portable, and easy to use.

The FEV150 is a complete solution for safety and performance testing of AC EV charging stations with type 1 and Tesla type connectors. Designed for field technicians required to perform and document multiple tests quickly and efficiently without carrying multiple tools.

The solution includes TruTest™ EV Charging software module for documentation and reporting. The solution performs these measurements: PE (protective) earth pre-test, visual inspection, GFCI trip test, nominal voltage, auto control pilot (CP) with waveform analysis, proximity pilot, and error testing. Seamless integration with TruTuest software via Bluetooth connection for simplified report generation.

The Fluke FEV150 provides predetermined test plans and pass/fail indications on measurement results to simplify analysis and time spent testing. The FEV150 EV Charging Station Analyzer complies with SAE J1772 standards.

Technical specifications

General specifications	
Input electrical ratings	1 Φ: 250 V max 3 Φ: 230/400V max, 50/60 Hz, max 1 A
Internal power consumption	3 W max
Size (H x W x D)	~(263 mm x 123 mm x 63 mm) ~(10.35 in x 4.84 in x 2.48 in), without the TY1 or TY2 plug
Battery	4 x AA/IEC LR6 alkaline or IEC HR6 NiMH
Temperature	
Operating	-10 °C to 40 °C (14 °F to 104 °F)
Storage	-20 °C to 50 °C (-4 °F to 122 °F)
Relative humidity	
Operating	10 % to 85 %, 0 °C to 40 °C (32 °F to 104 °F), non-condensing
Storage	up to 95 %
Wireless radio, Bluetooth 5.0	
Frequency range	2400 MHz to 2483.5 MHz
Output power	<100 mW
Altitude	3000 m
Safety	IEC 61010-1: Pollution Degree 2, IEC 61010-2-030, CAT II 300 V, Protection Class II
Performance	IEC 61557-1, IEC 61557-6, IEC 61557-7, IEC 61557-10
Ingress protection	IEC 60529: IP40