

## Quick Overview

Fluke Test Adaptor, EV Charging with Type 2 Plug & 1664FC Tester



## Features

Test the safety and functionality of electrical vehicle charging stations.

The FEV300 Test Adapter Kits are designed to test function and safety of charging stations mode 3 for AC charging. The adapter imitates an electric vehicle and opens up a charging cycle (activating voltage/current output), allowing you to conduct tests in combination with appropriate test instruments like an installation tester and/or an oscilloscope. With the FEV300 Adapter Kit, charging stations can be tested in accordance with IEC/EN 61851-1 and IEC/HD 60364-7-722.

### Features & Benefits

- Suitable to vehicle charging stations with charging mode 3
- Fits to charging stations with EV socket-outlet type 2 and EV connectors for type 2
- PE Pre-Test: With this safety feature the PE conductor will be tested for possible presence of dangerous voltage against earth
- Proximity Pilot (PP) state "Cable Simulation": With PP State rotary switch the adapter can simulate various current capabilities of charging cables
- Control Pilot (CP) state "Vehicle Simulation": With CP State rotary switch selector all charging states can be simulated
- Separate phase indication by three LED lamps for easy check if voltage is present at the charging output
- Measuring terminals L1, L2, L3, N and PE to connect test device like installation tester to perform safety and functional tests
- Compatibility: Integrates into Fluke portfolio of test and measurement tools, by allowing direct connection through FEV measurement terminals
- The Fluke 1664 FC allows safety measurements via the measuring terminals like earth bond, insulation, loop/line impedance and RCD trip test
- Simulation of CP error state "E"
- Simulation of PE error state "F" (Earth fault)
- Terminals for CP signal output to check communication between adapter (simulated electrical vehicle) and charging station.

This can be measured by a ScopeMeter® or multimeter. The voltage level defines the charging modes and the duty cycle of this PWM (Pu

- IP 54 rating: Dust and splashing water protected
- Type 2 Plug: AC charging mode 3, suitable to IEC 62196-2 type 2 socket outlet or fixed cable with vehicle connector (type 2, 7P three-phase)

#### Applications:

- Safety testing of charging stations
- Functional testing of charging stations
- Troubleshooting/repair of charging stations

## Details

Part No.	FLUFEV300/KIT
Brand	Fluke
Unit Of Measure	Each
Dimensions (W x H x D) mm	45 x 110 x 220 (without connection cable and test cable)
Weight (kg)	1
Ingress Protection Rating	IP54
Operating Temperature	-20°C to 40°C