

TEV500 PRO Electric Vehicle Charger Test Kit

Test charging stations for both basic & advanced diagnostic requirements

Features:

- PE Pre-Test: Allows testing the PE conductor for possible presence of dangerous voltage against earth
- Control Pilot (CP) State (Vehicle Simulation): With the CP State rotary switch selector various vehicle states can be simulated
- CP Signal State Output: For use with an oscilloscope to check the waveform and amplitude of the CP signals
- CP Error "E" simulation: Simulate the behavior of the station when there is an established short circuit between CP and PE
- PE Error (Earth Fault) simulation: Simulates interruption of the PE conductor
- CCID TRIP Test Button: When pressed a connection between L1 and PE is established and CCID from the station should abort charging process
- Phase indicator LED: When phase voltage on L1 is present at the charging connector, the LED indicator will illuminate
- Measuring Terminal Outputs L1, L2(N), PE and PP: Directly connected to L1, L2(N), PE and PP conductors of the tested charging station. It is allowed to use these for measuring purposes only and can be used with any Digital Multimeter for viewing voltage readings
- SAE J1772 -Complies with North American standards
- Includes (1) IEC62196-2 Type 1 female to male adaptor/converter and pouch case



Specifications

Input Voltage	240V (Single Phase) 60Hz; 120V/208V (3-Phase) 60Hz
CP Simulation	States A, B, C, D
Error Simulation	CP error "E", PE (Earth Fault) Error
CCID TRIP simulation	Yes (>25mA @130V)
Test Connector Type	IEC62196-2 Type 1 male (Male to Female Adaptor Included/Tesla)
Measurement Category	CAT II 300V
PE Pre-Test:	Yes
Test Cable Length	9.8" (25 cm)
Power	Powered by Charging System
Dimensions	6.9" x 4.2" x 2.8" (175 x 107 x 71mm)
Weight	1.15lb (522g)



Type 1 Connection

Tesla Connection

Control Pilot (CP) State (Vehicle Simulation)

Vehicle State	State Description
A	Electric vehicle not connected
B	Electric vehicle connected, not ready to charge
C	Electric vehicle connected, ready to charge, ventilation not required
D	Electric vehicle connected, ready to charge, ventilation required

Ordering Information:

TEV500

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