

# TEV200 EVProbe Kit

Plugs directly into your Digital Multimeter (DMM),  
Clamp Meter or Multifunction Tester (MFT)

### Features:

- Simply connects by wire (Standard Male Banana Type) between the EVSE charging point (Type-2 connector) and the measurement inputs of the DMM, Clamp or MFT. All wires of the charging connector are available: L1, L2, L3, N, PE, CP and PP
- Allows you to perform typical MFT measurements: Voltage, frequency, phase indication, phase sequence, various RCD tests and measurements, insulation resistance, low ohm measurements, line and loop impedances (If supported by the measuring input device)
- Built-In Control Pilot (CP) State (Vehicle Simulation Switch) - Different vehicle states can be simulated: Vehicle states are simulated with different resistances connected between CP and PE conductors
- CP Signal output terminals - Use an oscilloscope to check the waveform and amplitude of the CP signal
- CP Error "E" simulation: Simulate the behavior of the station when there is an established short circuit between CP and PE
- Complies with EMC Directive (2014/30/EU), EN61010-1 standard and the Low Voltage Directive (2014/35/ EU)
- Includes (1) IEC62196-2 Type 2 male to female adaptor/converter and pouch case
- 2-year warranty



Type 1 Connection



Tesla Connection

### Specifications

|                      |                                                                |
|----------------------|----------------------------------------------------------------|
| Input Voltage        | 230 / 400 V 3 Phase 50 / 60 Hz                                 |
| CP Simulation        | States A, B, C,                                                |
| PP Simulation        | Setup internally to 20 A                                       |
| Error Simulation     | CP error "E", PE (Earth Fault) Error                           |
| Measurement Category | CAT II 300 V                                                   |
| Mains Socket Rating  | Maz 10A                                                        |
| Test Connector Type  | IEC62196-2 Type 2 male (Male to Female Adaptor Included/Tesla) |
| Test Cable Length    | 19.7" (0.5m)                                                   |
| Power                | Powered by Charging System                                     |
| Dimensions           | 7.7"x 4.2" (6x 60mm)                                           |
| Weight               | 14.0oz (396g)                                                  |

### Control Pilot (CP) State (Vehicle Simulation)

| Vehicle State | State Description                                                     | CP/PE Resistance  | Vehicle State    |
|---------------|-----------------------------------------------------------------------|-------------------|------------------|
| A             | Electric vehicle not connected                                        | open ( $\infty$ ) | $\pm 12V @ 1KHz$ |
| B             | Electric vehicle connected, not ready to charge                       | 2.74 K            | +9V/- 12V@1KHz   |
| C             | Electric vehicle connected, ready to charge, ventilation not required | 882 $\Omega$      | +6V/-12 @ 1KHz   |
| E             | CP Error                                                              | 0 $\Omega$        | 0V               |

### Ordering Information:

TEV200 EVProbe Kit

