

# T200 EVSE TESTER

AN INSTRUMENT WITH COMPLETE TEST CAPABILITIES FOR EVSE SYSTEMS  
CONFORMING TO SAE J1772

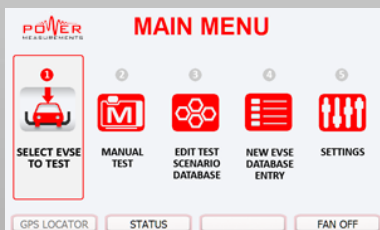
## KEY FEATURES

- Reading Accuracy
  - 0.04% Voltage Reading
  - 0.04% Current Reading  $\pm 0.005A$
  - 0.08% Active Energy  $\pm 0.002 Wh$
  - 0.08% Apparent Energy  $\pm 0.002 VAh$
- Uses EVSE Connector J1772:201602
- Input Voltage Range: 90 to 264 VAC
- Input Current Range: 75 Amps (max)
- Innovative GUI on a 5" LCD Screen
- Easy to use – select a site and press “test”
- Extremely fast, full accuracy is achieved in less than five seconds at any power level
- Light weight, water tight, crush proof, and dust proof
- Performs all accuracy and safety tests automatically without need for operator intervention
- All information for sites, equipment, test procedures and test results are stored in internal database



The Power Measurement’s Electric Vehicle Safety Equipment (EVSE) Tester tests energy delivery accuracy using a transactional mode compatible with HB44. For complete freedom and test automation use a PL200 Load Emulator. Any J1772 compatible EV can also be used as the test load by using an optional cable. The Proximity and Pilot Control signal exchanges are fully verified for compliance with J1772. The EVSE’s GFCI can also be tested.

## SCREEN FEATURES

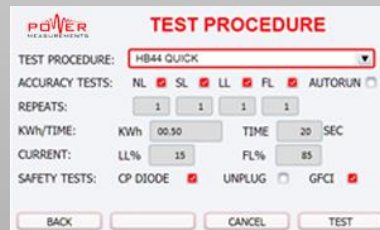


The Main Menu gives access to the core functions:

- 1- Select EVSE to Test
- 2- Manual Test
- 3- Edit Test Scenario Database
- 4- New EVSE Database Entry
- 5- Settings



Site information can easily be stored and accessed in T200’s internal database. These results can be exported in csv file.



Test Procedure can be modified based on required test scenario. These procedures can be stored and easily access as needed.

# SPECIFICATIONS

## MEASUREMENTS ACCURACY

- 0.04% Voltage Reading
- 0.04% Current Reading  $\pm$  0.01Amp
- 0.08% Active Energy  $\pm$  0.01 KWh
- 0.08% Apparent Energy  $\pm$  0.01 Vah

## OTHERS

**Display:** 5", 800 x 480, full color TFT

**Operating Temperature:** -20°C to 50°C (-4°F to 122°F)

**Storage Temperature:** -22°C to 60°C (-22°F to 140°F)

**Internal Battery:** 10.8V Lithium-Ion Rechargeable

**Dimensions:** 18.5" x 14.1" x 6.9" (47 x 35.7 x 17.6 cm)

**Weight:** 15.43 lbs. (7.0 kg) (Not including cables)

## DIRECT INPUTS

**AC Current:** 0 to 75A

**AC Voltage:** 90 to 264V

**Power Connectivity:** EVSE J1772\_201602  
Connector (75A Max)

## STANDARD FEATURES



### ETHERNET

100 BaseT with support for: Web Services, Remote Control, Database Access



### USB

2X USB with support for: Device, External Memory Storage, WiFi, Keyboard, Mouse



### GPS

Integrated GPS system provides location information for automatic determination of test site and database access



### GFCI

Provision is provided to test the GFCI functionality of the EVSE.



### RS232

Legacy port for specialized test configurations.



### BATTERY

4800 mAh Lithium-Ion battery pack provides power at system startup and during fault testing. Battery automatically recharges during testing operations. The unit can also be plugged directly into a standard AC outlet for recharging.



### PL INTERFACE

Provides communications and power to any **Programmable Load (PL Series)**.

## COMPLETE EVSE TEST SYSTEM

