

T400 EVSE TESTER

AN INSTRUMENT WITH COMPLETE TEST CAPABILITIES FOR EVSE SYSTEMS
CONFORMING TO SAE J1772 (AC + DC)

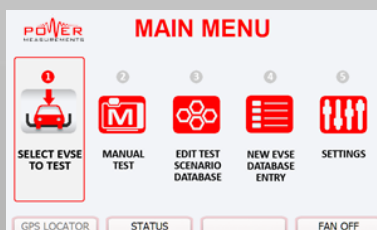
KEY FEATURES

- Reading Accuracy
 - 0.04% Voltage Reading
 - 0.04% Current Reading $\pm 0.005A$
 - 0.08% AC Active Energy $\pm 0.002 Wh$
 - 0.08% AC Apparent Energy $\pm 0.002 Vah$
 - 0.1% DC Active Energy
 - 0.1% DC Apparent Energy
- Uses EVSE Connector J1772:201602
 - 18KW AC
 - 75KW DC
- 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



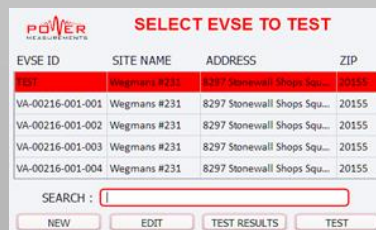
The Power Measurement's Electric Vehicle Safety Equipment (EVSE) Tester tests energy delivery accuracy using a transactional mode compatible with HB44. The T400 tests AC Level 1 and Level 2 systems up to 75 amps maximum current and DC Fast Charge systems up to 80A at 500VDC. Any J1772 compatible EV can 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 $\pm 0.005A$
- 0.08% AC Active Energy $\pm 0.002 Wh$
- 0.08% AC Apparent Energy $\pm 0.002 Vah$
- 0.1% DC Active Energy
- 0.1% DC Apparent Energy

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: 16.09 lbs. (7.3 kg) (Not including cables)

DIRECT INPUTS

AC Current: 0 to 75A

AC Voltage: 90 to 264V

Power Connectivity: EVSE J1772_201602
Connector (18KW AC /
75KW DC)

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



**CHARGING
STATION**

**EVSE
TESTER
(T Series)**

**PROGRAMMABLE
LOAD (PL Series)**