Product Information Sheet

TESCO METERING

Reliable Results. Every Meter. Every Time.

925 Canal Street, Bristol, PA 19007
• 215.228.0500
• tescometering.com

EVSE

PL4000

Programmable AC Load Box



PRODUCT INTRODUCTION

The TESCO PL4000 Programmable AC Load Box is part of a 4th generation EV charger testing solution, engineered for single-phase AC validation of electric vehicle charging stations up to 14kW. Built in the USA, this portable EVSE load bank delivers accuracy, rugged design, and smart automation features to support manufacturers, utilities, and testing labs.

The TESCO PL4000 programmable load box combines lab-grade precision with rugged portability. Whether you're conducting AC EVSE compliance testing, field validation, or manufacturer R&D, the PL4000 ensures accuracy, safety, and seamless integration with the TESCO T4000 and T4350 EVSE Test Systems.

CHARGER TESTING CAPABILITIES

- 29A at 120V chargers (~3.5kW)
- 50A at 208V chargers (~10.5kW)
- 56A at 240V chargers (~14kW)

This makes the PL4000 ideal for high-power AC charger validation across CCS1 (J1772) and NACS standards.

KEY FEATURES

- **Auto-Interface:** When paired with TESCO's T4000 or T4350 EVSE Test Systems, the PL4000 is automatically detected. No manual configuration is needed in the EVSE Tester UI.
- **Auto Cool-Off:** After each test, the system uses the EVSE Tester's internal battery to power cooling fans, ensuring safe and efficient operation.
- **Integrated Breakers:** Includes AC breakers.
- **Built-In Sensors:** Monitors ambient temperature, exhaust temperature, and fan speed. The system halts testing if a fault is detected, protecting equipment and accuracy.

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MADE IN USA

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SPECIFICATIONS

Unit	Details
Size	15"L x 15"W x 12"H
Weight	44 lbs
Cabling	Conduit with Staubli termination 5ft to be used with a T4000 or T4350 L1, L2 and PE VBatt, digital GND, and Comms
LEDs	• Green LED to indicate power • Yellow / Amber LED to indicate Comms with T4000 / T4350 • Red LED to indicate unit is running and dissipating power
Operating Temperature	-4°F to 122°F (-20°C to 50°C)
Storage Temperature	-22°F to 140°F (-30°C to 60°C)



