



## PL4150 Operating Instructions

### Before Operation / Transportation:

Ensure the PL4150 is properly secured to your vehicle. It can be with straps, a fixture or some other mount. The unit cannot have any wiggle room during transportation. If you choose to use straps, ensure they do not cover the latches or the top lid, so that you may open the unit to test. Additionally, leave enough room during securing that you can properly access both side panels for the E-stop, the circuit breaker box, and the Staubli cord.



Ensure the Estop is properly screwed and secured to the unit.



Before any transport, ensure the Staubli connector is properly secured to the L-bracket and the latch is down and tight so that it cannot move. This also ensures the connector is waterproof. The connector works by aligning the pins into the square and pushing the silver bracket down with force until it locks.



Ensure the breaker cover is secure and tight. This is for waterproofing.



**During operation:**

Ensure that the Estop is easily accessible at all times. To operate the E-stop, press it down. To undo the E-stop twist the red knob.



Next, unlatch the two metal latches on the side of the unit



To unlatch, pop the bottom of the latch upwards



Twist the latch counterclockwise until it is completely undone



Next, lift the unit using the grill handle in the middle. The lid must be open to the maximum height of the gas struts.



Unlatch the Staubli connector by pushing the metal lock in the upwards position. **NOTE:** You MUST have your opposite hand holding the connector tightly as it can fall off due to the force of gravity and damage the connector and or your vehicle.



Unlock the Staubli connector of the T4350 by pushing down with force on the metal handle.



Lift the gray cover of the Staubli connector.



Put the Staubli connector of the PL4150 into the pins of the T4350. Note, the bottom two circular connectors need to be facing in the downwards position.



Push the bottom of the metal connector upwards with force until the connector is properly secured and it locks. The metal connector should be solidly in place and there should be no wiggle room in this connection.



Turn the T4350 on.



Navigate through the system using the arrow keys to select your proper testing protocol (CCS1 AC, CCS1 DC, NACS DC)



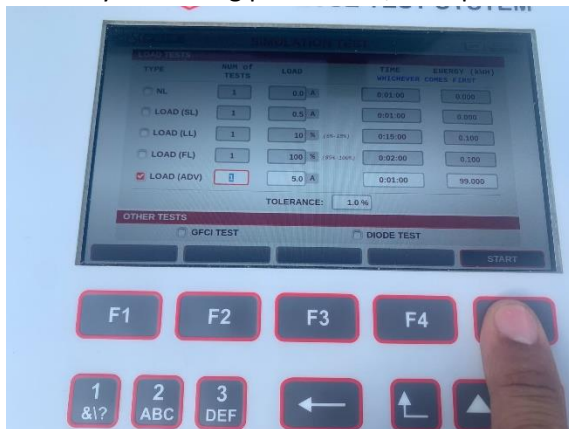
For manual mode testing select F1 on the keypad.



Select Simulation via the F1 key.



Choose your testing parameters, then press F5 to start the test.



Choose your connector type, J1772 DUO (CCS1) or Tesla (NACS). For this demonstration, we've chosen CCS1. Unlock the plastic covers on the T4350 to access the port.





Lock your EVSE connector into the unit until you have it click and stay in place and begin the charge via the EV charger.



When you complete the test, undock the connector, replace it to the charger, and place the rubber holders back on the T4350 and remove the Staubli connector.

To remove the connector from the T4350, lift the metal lock upwards. **NOTE:** to prevent the Staubli from falling and getting damaged, you should hold the connector with one hand while unlocking the metal lock with the other.



Fully remove the Staubli connector and return it to the PL4150. Ensure that the connector is tightly placed in the square bracket and lift the metal bar in the downwards position to lock it.



Lastly, secure the lid using the grill handle until it is properly back in place. **NOTE:** you MUST use the grill handle, as the lid of the unit can be extremely hot after operation.



Relatch the two latches by hooking the metal latch to the top of the latch holder.



Spin the latches clockwise until the latch is aligned with the hole in the lock and place the latches down until they connect.



Repeat the process for all future testing.

**A few notes for operation:**

**NEVER** touch the PL4150 during or shortly after operation. The frame can get extremely hot. Only the grill handle can be touched after a completed test finishes the cool down.

**NEVER** operate the T4350 during rain or inclement weather. If rain or inclement weather occurs during testing, immediately stop the test, turn the unit off, connect the Staubli connector to the unit and close the lid.

If the T4350 gets wet, wait until the unit is completely dry before operation. Droplets of water on the lid could splash inside the frame, and water from the outside of the unit could touch the Staubli pins.

Ensure that after testing, the E-stop is placed in a safe and secure area on the vehicle so it does not move around during transport.

Always ensure that the unit is safely secured to your vehicle. It is a good idea to check during each new day of testing that the unit is still properly secured and that nothing came loose. (nothing has come loose).

Always ensure that the lid is closed before moving your vehicle.

Ensure that when you secure the PL4150 to your vehicle you have enough clearance for the Staubli connector to reach your T4350.