

Using the 330 Powermate / 430 Current Source With 480V 3-Wire Delta Services

Note: The Model 430 Current Source is designed to operate with power supply voltages up to 277 Vac which is the phase-neutral voltage of 480V 4-Wire Wye services. However, a Three-Wire Delta service operating at 480V phase-phase exceeds this power supply rating. To allow 480V 3-Wire Delta services to be tested, a separate voltage cable is supplied with the Model 430 Current Source. Note that the Model 330 Powermate is fully rated to handle 480V services and has no problem testing any service below 600 Vac.

To Power the 430 Current Source from an Alternate Source:

- 1) Disconnect the 330 V(a,n) cable {Red/White} alligator clips from any active voltage.



- 2) Disconnect the Model 430 "Line In" Power connector which is jumpered from the normal 330 V(a,n) voltage input.



- 3) Connect the separate Red/White voltage cable (terminated with alligator clips) to the "Line In" connector of the 430.



- 4) Connect the Red and White alligator clips of the separate power cable to an auxiliary power source between 80 and 277 Vac.



Connect to power source between 80 and 277 Vac.

- 5) Reconnect 330 V(a,n) cable {Red/White} alligator clips to active voltage.



- 6) While the 430 Current Source is being powered from an alternate source, perform testing using the Powermate 330 and/or 430 in the normal fashion.

To Restore the 430 Current Source to a Common Power Source:

- 1) Disconnect the separate Red/White voltage cable alligator clips from any active voltage.
- 2) Disconnect the separate voltage cable from the Model 430 “Line In” connector.
- 3) Connect the jumper from the normal 330 V(a,n) voltage input to the Model 430 “Line In” Power connector.
- 4) Reconnect 330 V(a,n) cable {Red/White} alligator clips to active voltage.
- 5) While the 430 Current Source is being powered from the normal common source, perform testing using the Powermate 330 and/or 430 in the normal fashion.