1. Unpack the Power Monitor

Power Monitor

a. Check the packing list to make sure all of the requested equipment was received.

b. Position near the connection point to be tested - be sure the Power Monitor is positioned in an area where it will not be interfered with or dropped.

c. Be sure a 120V-240V receptacle is available for powering the device.

2. Power down system and turn off the power at the main breaker

a. To ensure safe working conditions make sure to remove voltage from testing source. (Lockout if required)

3. Connect the Voltage Leads

Connect Voltage Leads

Connect Banana Leads

a. Confirm that the system under test is powered down and that power at the main circuit breaker is off.

b. Connect the L1, L2 and L3 voltage leads (alligator clip or strip) to the main circuit breaker. Connect the N lead to the Neutral bar (if present), and the G lead to the main chassis or the Ground bar.

c. Connect the right-angle banana plug end of the voltage leads into their corresponding color-coded ports on the front panel of the Power Monitor.

<u>Caution</u>: If running Voltage leads out of the panel or system, wrap the "Safety Sleeves" provided in the safety kit around wires at pinch points.

4. Connect the Current Probes

Hard wired connection

<u>Caution</u>: If running CT wires out of the panel or system, wrap the "Safety Sleeves" provided in the safety kit around wires at pinch points.

a. Connecting the current probes is a crucial part of the data gathering process. Make sure you connect them to ensure that all supporting data is gathered.

b. Connect the current probes around L1, L2, L3, N & G (or all applicable phases) and make sure that there is only one phase in each current probe.

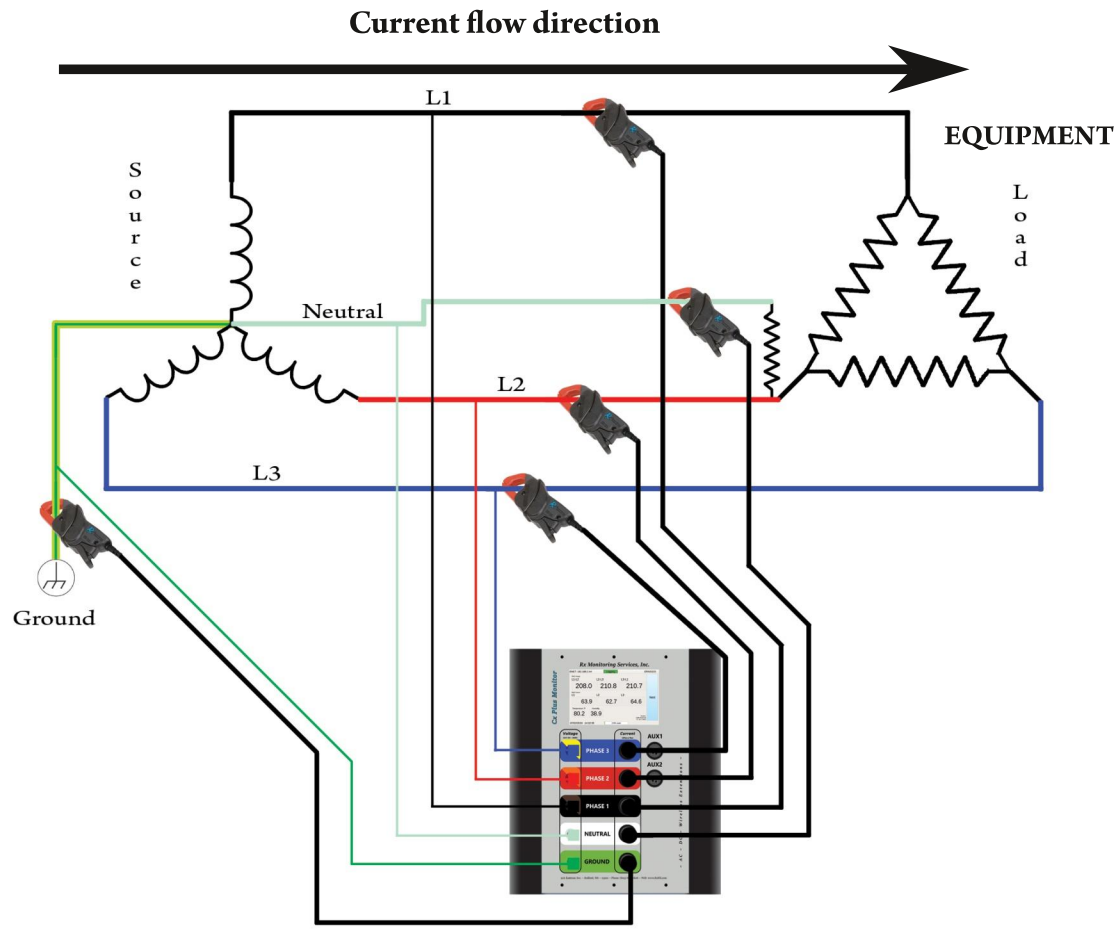
c. Make sure that each current probe is encompassing the correct phase and that the direction of the arrow on the probe is pointing toward the load.

d. Plug the connector end of the current probes into their corresponding ports on the front of the Power Monitor (to the right of the color-coded voltage ports).

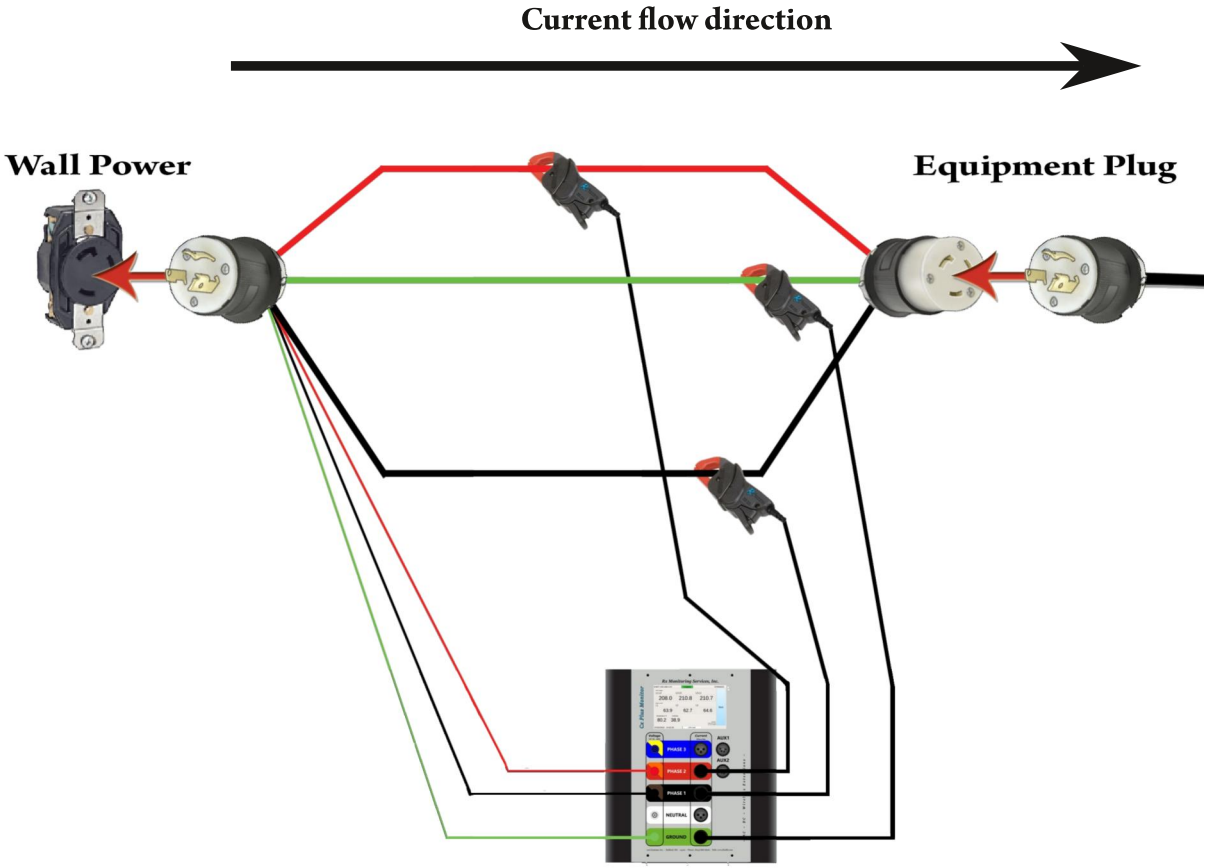
Important:

Arrow on CT's must point toward load being monitored, or the direction of current flow.

Connection Diagram for Standard Cable Connection:

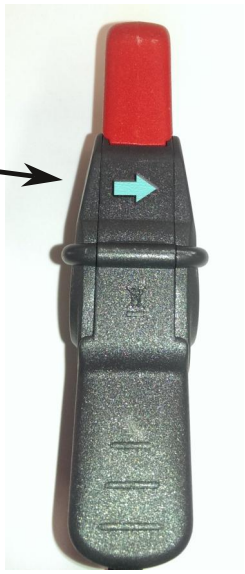


Connection Diagram for "Breakout" Cable Connection:



Important:

Arrow on CT's must point toward load being monitored, or the direction of current flow.



5. Connect the Wired Temperature & Humidity Probe (If Supplied)

a. Hang the Temp/Hum probe at a minimum height of 6 feet (if possible), and make sure it is not positioned near a door, window, or ventilation unit.

b. Plug into the Port 1 under AUX on the front of the Power Monitor.

6. Power up the Power Monitor

Caution - Always use a grounded receptacle

a. Plug power cord into grounded receptacle

b. Plug the supplied IEC cord into the external DC power supply.

c. Plug the male external DC power supply plug into the Power Monitor.

DC Power Supply

b. Connect IEC

c. Plug In Barrel