



Ask Ray!
Let's get started
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Today's Topic

CT Benchtop Testing

- Why Benchtop?
- What equipment do you need?
- Step-by-Step instructions
- Questions & Comments

Today's Topic


CT Benchtop Testing




Equipment:
 PowerMaster
 5302 | 7302 | 7305 | 7332 | 7335

Today's Topic

CT Benchtop Testing



Voltage Cables



Auxiliary Power Cable

Today's Topic


CT Benchtop Testing



CT Load Boost Kit
 (Part #: Z-CT-Testing-20A or 50A)

Today's Topic

STEP 1



Connect the 6MM multi-pin current cable to the Current connector on the Powermaster.

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STEP 2



Connect the 3 Phase Voltage Cable to the Voltage connector on the Powermaster.

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STEP 3



Connect the green safety ground along with aux power and aux neutral to the Auxiliary Power AC Adapter.

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STEP 4



Stack A phase (Red) and Neutral phase (White) to AUX PWR and Aux Neutral.

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STEP 5



Connect to 120 volts.

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STEP 6



Connect the CT load boost cabling to drive A on the 6MM A phase connection.

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STEP 7




Connect the load boost cabling to drive B on the yellow 6MM B phase connection.

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STEP

8




Find the Polarity dot on the CT or H1.

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STEP

9




Insert the White return Load boost cabling in the window opening of the CT.

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STEP

10




Create 4 wraps using the CT Load Boost cabling, and connect the white return to the red 6MM cable.

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STEP

11

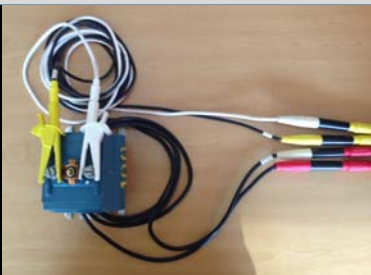


Remove the Secondary protection Cover and un-shunt the CT.

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STEP

12

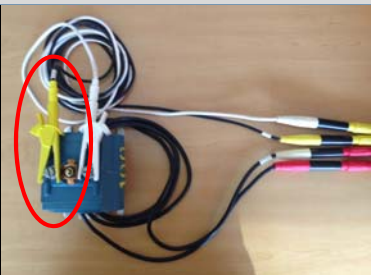


Connect White B Phase return to the yellow 6MM current cable.

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STEP

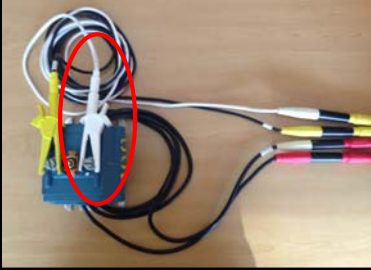
13



Connect to non-polarity or X2 connection of the CT using the yellow alligator clip.

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STEP 14



Connect to Polarity or X1 connection of the CT using the white alligator clip.

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STEP 15



Verify the Name plate Ratio, Accuracy, and Burden, etc.

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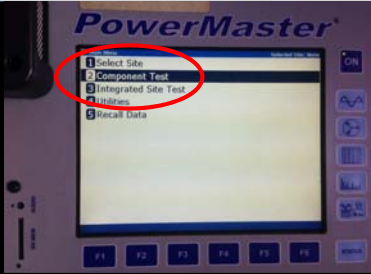
STEP 16



Turn Aux power switch on, and press the On button on the Powermaster.

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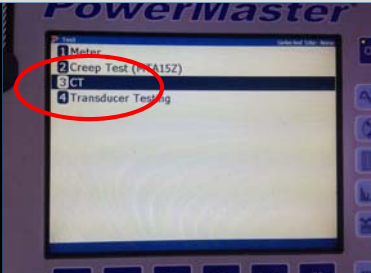
STEP 17



Select Component Test.

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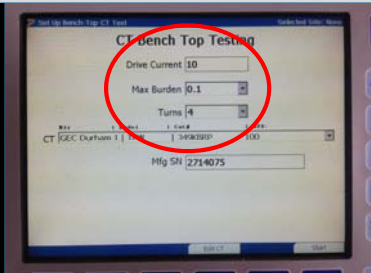
STEP 18



Select CT Current transformer Testing.

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STEP 19

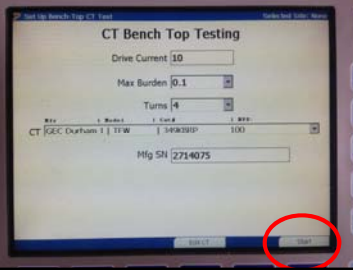


Select the drive current and max burden along with the number of turns.

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STEP

20

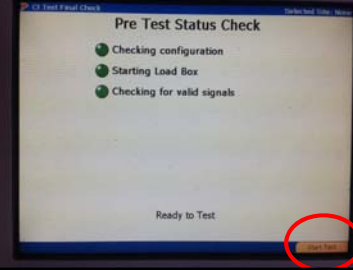


Press Start.

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STEP

21



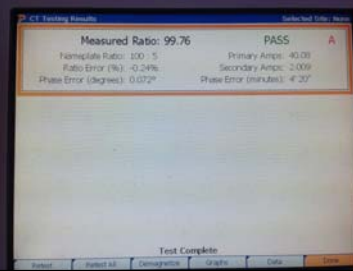
Pre Test Status Check

Press Start

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STEP

22



The results are displayed.

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COMING UP!

Active Synth Errors
Nov. 16th

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