

The Mega Beast

Service Conductor Tester-80 Amp Load

***For use on 120 Volt residential service only!**

Description: The Mega Beast imposes an artificial unbalanced load on 120 VAC service. This load, or “burden”, shows instantly whether the service problem is on the utility or customer side of the meter.

Note: Most utilities use a 5-7 volt drop as an indication of trouble. Each utility should set its own standard.

1. Remove the KWH meter.
2. Inspect the meter base and then clip the Green clip to neutral.
3. Attach the Mega Beast Red clip to the right conductor on the utility side of the meter base. Hook the Black clip to the left conductor on the utility side of the meter base.
4. Start with 20 amps of load turned on for initial test.

Voltage readings may differ from the following example readings.



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5. Rotate the switch to the left. Read meters. You will see one of the following:

120	120
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Left meter reads 120V, left conductor is OK.

6. Rotate the switch to the right. Read meters. You will see one of the following:

120	120
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Right meter reads 120V, so right conductor is ok.

85	120
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drops, left conductor partially open.

120	85
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Only right meter drops, right conductor partially open.

90	150
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Right meter decreases, left meter increases, so neutral is partially open.

150	90
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Left meter decreases, right meter increases, so neutral is partially open.

*If reading shows left blank and right approximately 240 Volts then there is a full open neutral.

To confirm neutral problem, switch load to both left and right. Voltage reading will reverse on each meter.