



Tip Of The Week

August 3, 2009

Phase-to-Phase Resistance Readings

When testing motors offline, remember to ensure you meet all recommended criteria for proper MCE testing. Those are <15 volts to ground, <0.5 volts phase-to-phase and the motor is not rotating. A motor that is rotating while power is secured to it can turn into a generator resulting in substantial phase-to-phase voltage on the de-energized motor. Precision resistance test equipment, like the MCE, can be negatively affected by this voltage. If you are recording phase-to-phase resistance values that are extremely divergent or unexpected, you should verify the motor is not rotating.

You are invited to submit an Electric Motor Testing Tip of your own and receive a free PdMA mug or hat if we publish it! Contact Lou at 813-621-6463 ext. 126 or lou@pdma.com.

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