



Tip Of The Week

August 13, 2012

How Low Do You Go?

Resolution when testing winding resistance is an important factor for consideration. Resolution is the minimum change in a value being measured that the measurement equipment can detect. For example, if a winding resistance meter can detect a change of 0.001 ohm then the change in winding resistance would have to be more than 0.001 ohm to even be detectable by that test instrumentation. Test equipment (such as the MCEMAX) that can detect 0.000010 ohms can easily detect a change in winding resistance long before the test equipment in the first example. Having the ability to detect these subtle changes much sooner enables a maintenance work order to be issued far sooner...before the problem becomes a catastrophic failure.

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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