

**EFFECT OF BURDEN ON CURRENT TRANSFORMER TO  
ACCURACY/ERROR**

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**ABSTRACT**

*In high voltage electric power, Current Transformers is very necessary in distribution. Current Transformer is used for reducing the value of electric current system, so it can be detected by protector device and able to be measured. Accuracy test is needed to minimize the measurement failure. This final project discusses the effect of loading on the current transformer on accuracy, based on the burden in VA. This test is done by adding bigger burden than the previous. Qualitative method is used because the result of the research is the analysis of the test's result. There are two samples, they are CT 800/5 and 10/5-5. The test's result shows that after reaching 60VA (of burden), CT 800/5 still able to be measured accurately because the value is not below passing the standart limit. The graphic's result is moving the positive area without passing the standart limit, meanwhile in CT 10/5-5 after reaching the 60VA (of burden) also able to be measured accurately. The graphic's shows that it us moving from the negative area to positive area and getting closer to zero.*

*Keywords: Current transformer, Accuration test, Over load.*