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PROJECT

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2012

ELECTRICAL ENERGY GENERATING SYSTEM

DON SMITH TIPE

EXPERIMENTAL STAGE

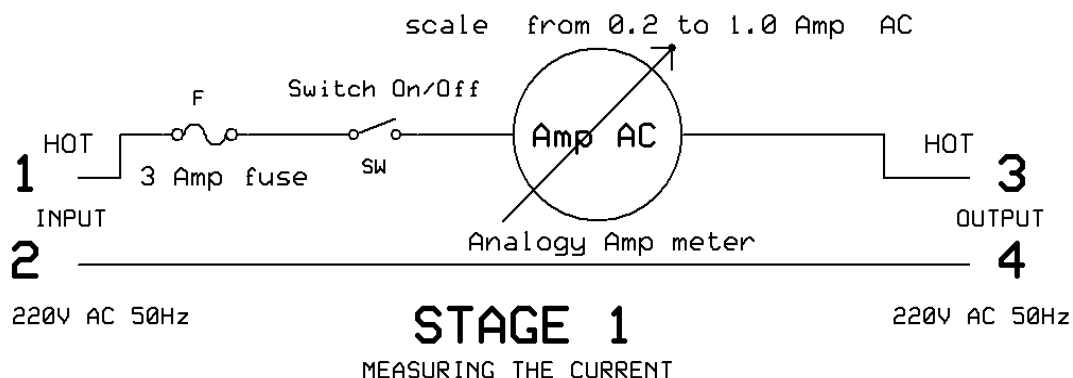
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EQUIPMENT

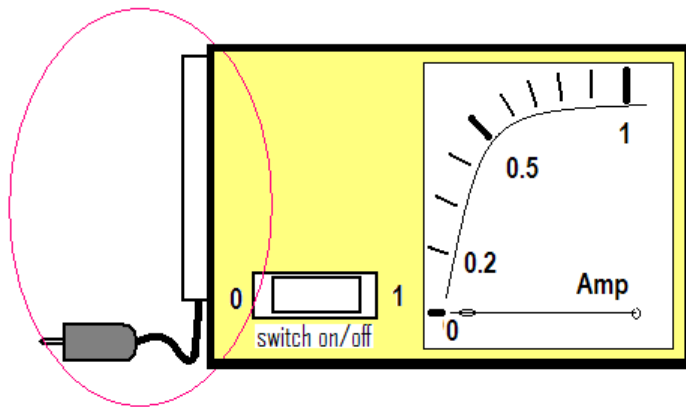
My aim is to use an ordinary 220 V 50 Hz AC source while it is in experimental state.

So my first step is to make an analogy Amp meter for AC current that would be a stage for measuring the current and from this we can calculate the Power that the apparatus consume./While the apparatus using HV /high voltage/ and HF /high frequency/ the ordinary digital meter is useless.

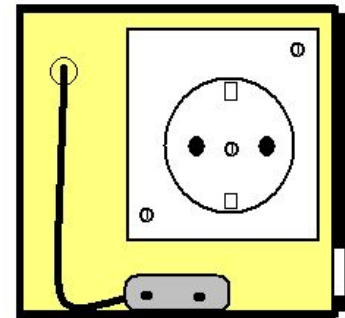
Here is a schematic of the analogy Amp meter stage:



Here is how it looks like:



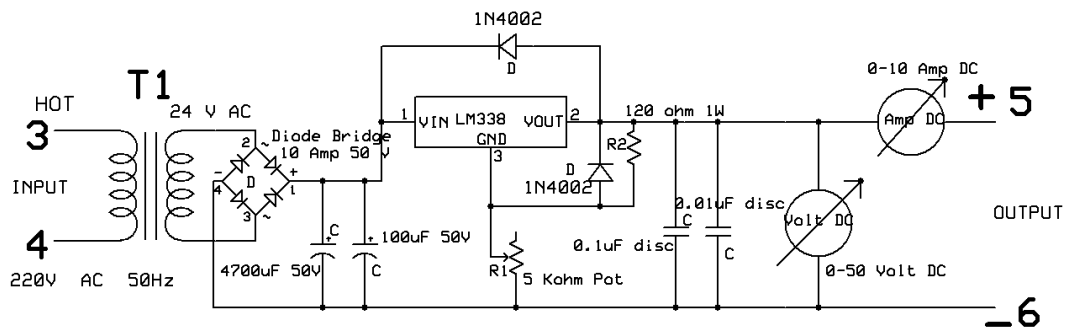
Front view



Side view

The next step is to produce a stable DC from the AC main, meaning the purpose of this stage is to achieve a stable 2-24V DC. So the isolation iron step down transformer is used, a diode bridge and a voltage regulator.

Here is a schematic:



STAGE 2

MAKEING A STABLE DC

The voltage regulator is an LM338 30V 5 A type, need a good heat sink. Of course we can add a Volt and Amp meter , all these instruments should bee analogy.