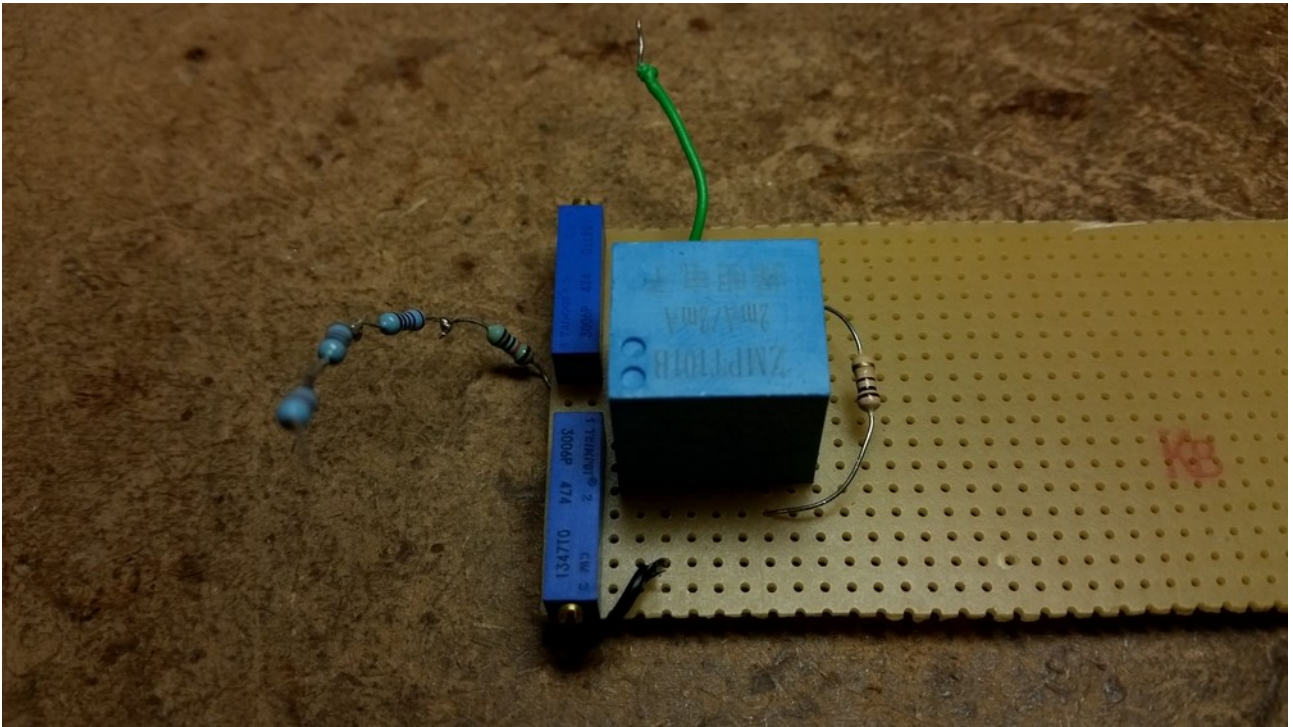
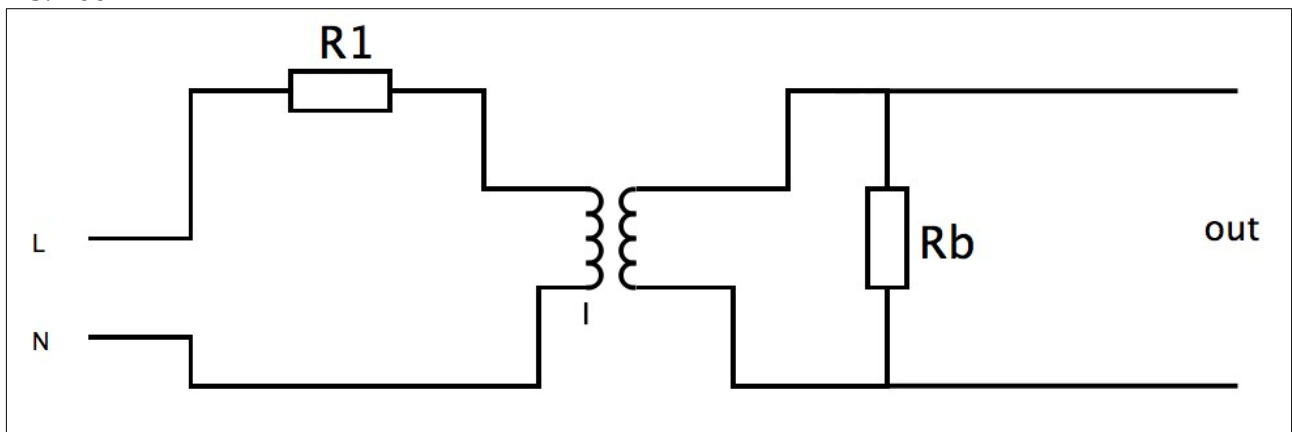


ZMPT101B - Voltage Sensing Transformer



R1: 450k (the setup allows for a variable input resistance between 120k and 1.1M Ω).

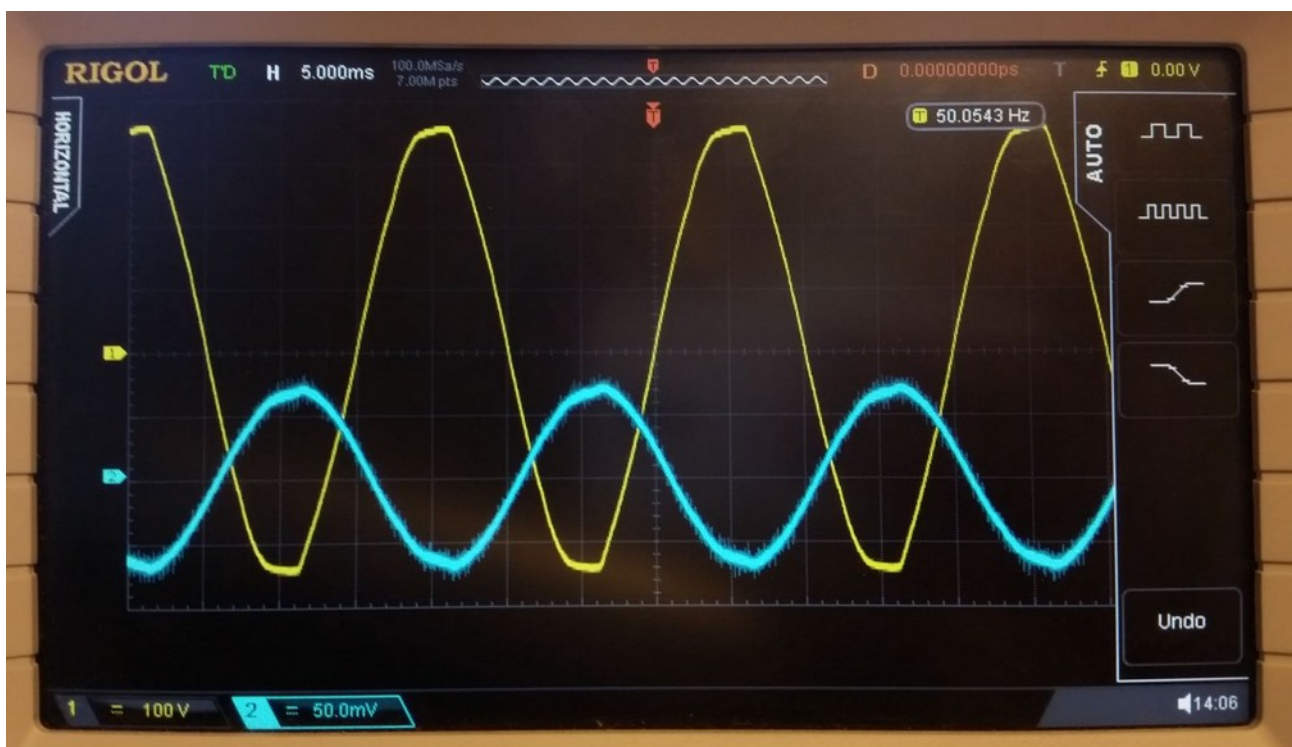
Rb: 100R



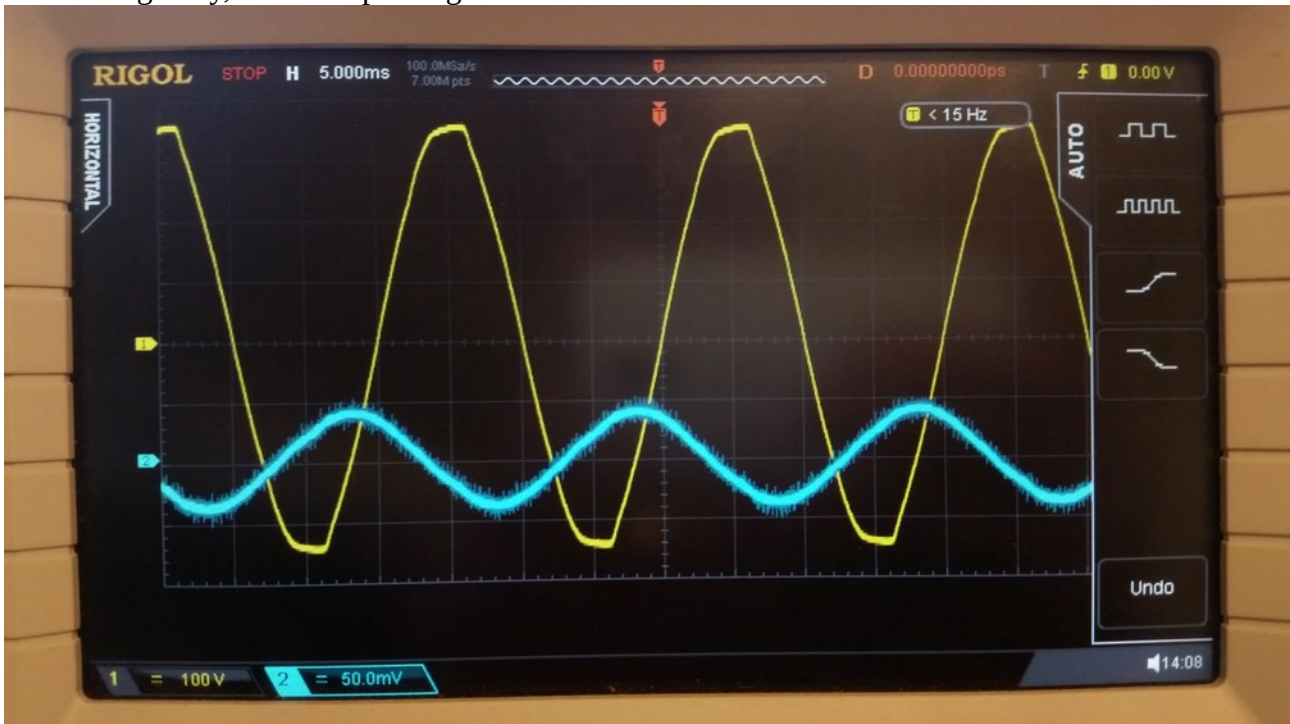
This is the raw output in blue. The almost pure inductance inverts the waveform.



Below, a 100nF capacitor is put in parallel with the burden R_b . Note the slight phase shift forwards.



This is a 20uF capacitor added, the phase is shifted forward significantly, however the waveform is smoothed greatly, the flat tops are gone.



Here's the effect seen in the moment the mains voltage is switched on.

