

EET 332b
Ac Machines and Power Systems
Lab 4 Transformer Load Resister Values

This table shows the required resistor values and the associated switches that must be in the up position on the Model 8311 LabVolt resistor load module to achieve them. These resistor values produce approximately 0.2 A increase in current required for the lab activity.

The transformer primary voltage should be adjusted with each load step to maintain 48 V ac as closely as possible. The supply voltage will drop when the adjustable power supply connects to the transformer primary.

Required Primary Current (A)	Approximate Load Resistance (Ohms)	Load Box Switches In Up Position
0	infinite	none
0.2	600	2
0.4	300	3
0.6	200	2, 3
0.8	150	1, 4, 5, 6
1.0	109	3, 4, 5, 6
1.2	92	2, 3, 4, 5, 6
1.4	80	1, 4, 5, 6, 7, 8, 9
1.6	70	3, 5, 6, 7, 8, 9
1.8	63	1, 3, 5, 6, 7, 8, 9
2.0	57	1, 2, 3, 5, 6, 7, 8, 9