

Table 1: Variable Resistance

V (V)	I (mA)	R (k Ω) (calc)	R (k Ω) - potentiometer (meas)	R % error
10	10	1.0	1.10	
10	9	1.13	1.15	
10	8	1.25	1.25	
10	7	1.50	1.52	
10	6	1.67	1.78	
10	5	1.98	2.1	
10	4	2.50	2.3	
10	3	2.30	2.45	
10	2	5.0	6.20	
10	1	10	10	

Table 2: Ohm's Law (current)

V (V)	R (k Ω)	I (mA) (calc)	I (mA) (meas)	I % error
10	1	10	9.81	
9	1	9	9.29	
8	1	8	8.94	
7	1	7	7.08	
6	1	6	6.00	
5	1	5	5.36	
4	1	4	4.25	
3	1	3	3.55	
2	1	2	2.27	
1	1	1	1.43	

Table 3: Ohm's Law (voltage)

I (mA)	R (k Ω)	V (V) (calc)	V (V) (meas)	V % error
10	1		10.10	
9	1		9.30	
8	1		7.80	
7	1		7.20	
6	1		6.00	
5	1		4.99	
4	1		3.60	
3	1		2.65	
2	1		1.70	
1	1		0.80	