

# Visible Spectrum Calibration

LED Color

Red (620 - 750 nm) ▾

Custom Wavelength (nm)

E.g: 500

Wavelength (nm)

620 nm (Red) ▾

Voltage without Material (V)

2.800 

Voltage with Material (V)

3.193

Potentiometer Resistance ( $\Omega$ )

2400

Add Data

Reset Data

Export to CSV

Export to Excel

## LED Preview

## Experiment Results

LED Color	Wavelength (nm)	Voltage without Material (V)	Voltage with Material (V)	Resistance ( $\Omega$ )	Difference (V)	Digital Value
Red	620	2.8	1.939	2400	0.86	601
Red	620	2.8	2.409	2400	0.39	747
Red	620	2.8	2.879	2400	-0.08	892

LED Color	Wavelength (nm)	Voltage without Material (V)	Voltage with Material (V)	Resistance ( $\Omega$ )	Difference (V)	Digital Value
Red	620	2.8	3.027	2400	-0.23	938
Red	620	2.8	3.089	2400	-0.29	958
Red	620	2.8	3.129	2400	-0.33	970
Red	620	2.8	3.155	2400	-0.35	978
Red	620	2.8	3.173	2400	-0.37	984
Red	620	2.8	3.027	2400	-0.23	938
Red	620	2.8	3.193	2400	-0.39	990