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 (Ω)

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 (Ω)	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 (Ω)	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