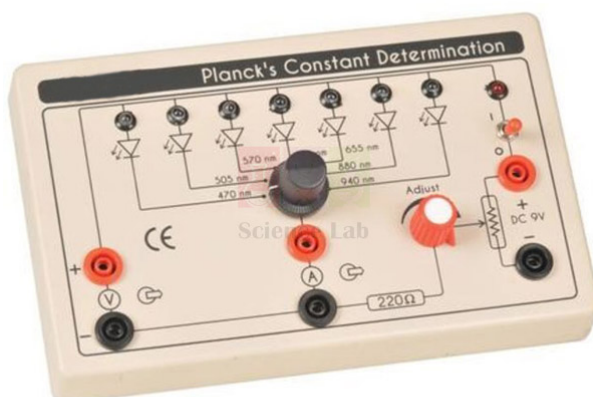


Product Name :

Plancks Constant Determination Box

Product Code :

SLE/PHY/50



Description :

This apparatus is designed to determine the approximate value of Planck's Constant using the elbow voltage in the characteristics curves of a number of LEDs. By monitoring the voltage at which each LED begins to emit light a graph of energy input as a function of light emitted frequency can be plotted and an approximate value of Planck's Constant can be deduced. There are seven LEDs covering from deep blue at 470 nm to near IR 940 nm mounted on the box with sockets for voltage and current measurements. External 9 V power source or 9 V battery and connecting leads required.

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