

NV6025 Planck's Constant Determination using LED is a useful Trainer which illustrates the basic concept of the Quantum Mechanics. The trainer familiarizes with the concept of photon energy and explains how it is related to its frequency. Trainer is mainly designed to evaluate Planck's Constant. For this purpose four different colors of LEDs are included with trainer. This trainer facilitates to determine the Planck's Constant by measuring the voltage drop across LEDs.



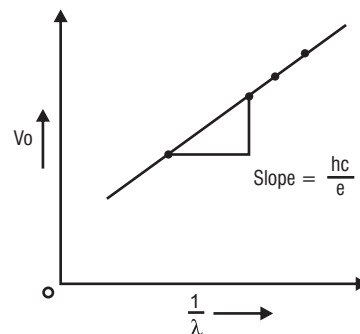
- ▣ Self contained trainer requires no other accessory
- ▣ Super bright LEDs
- ▣ LCD for current and voltage
- ▣ Variable Power Supply (0-5Volt)
- ▣ Extensive e-Manual
- ▣ 2 Year warranty

Scope of Learning

- Determination of Planck's Constant using Light Emitting Diode (LED).
- Draw the I-V characteristic for Light Emitting Diode (LED) and hence determine the Threshold Voltage.
- Determination of Planck's Constant by plotting curve between Threshold Voltage and Wavelength of LEDs.

Technical Specifications

Mains	: 230V \pm 10%, 50 Hz
Fuse	: 0.5A
DC Power Supply	: 0 - 5V
LED	
Type	: Super bright
Size	: 5 mm
Colours	: Blue, Green, Orange, Red
DC Voltmeter	:
Type	: LCD
Display	: 3½ digit
Range	: 200 mV - 200 V
DC Ammeter	:
Type	: LCD
Display	: 3½ digit
Range	: 2μA - 200 mA



Manufactured by :

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