



Nvis 6502 Experimentation with Transistor Characteristics is a versatile system for basic electronic laboratories. It is useful for students to plot different characteristics of PNP, NPN transistor in different types of configurations and to understand various regions of operation of PNP and NPN Transistors. This is a stand alone unit with inbuilt DC Power Supply and an inbuilt Voltmeter and Ammeter. Nvis 6502 is a complete system for studying transistor characteristics.

Features

- In-built Ammeter and Voltmeter are provided
- On board Fixed and Variable DC Power Supplies are provided
- Digital display for displaying Voltage and Current
- Three important characteristics of a Transistor can be performed on this board :
 - Input characteristic
 - Output characteristic
 - Constant current transfer characteristic

Technical Specifications

Fixed DC Power Supply	: +5V, -5V, +12V, -12V
Variable DC Supply	: $\pm 1.5V$ to $\pm 11V$
Transistor	: BC547, BC557
Ammeter	
Range	: $1\mu A$ to 200mA
Display	: 3½ digit
Voltmeter	
Range	: 1mV to 200V
Display	: 3½ digit
Mains	: 230V AC $\pm 10\%$
Dimension (mm)	: W 450 x D 280 x H 113
Weight	: 2kg (approximate)

Scope of Learning

- Study of characteristics of PNP Transistor in Common Base Configuration and to evaluate Input resistance, Output resistance and Current gain
- Study of characteristics of PNP Transistor in Common Collector Configuration and to evaluate Input resistance, Output resistance and Current gain
- Study of characteristics of NPN Transistor in common Emitter Configuration and to evaluate Input resistance, Output resistance and Current gain
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