

AD-01 DC Power Supply (optional)

Scientech AB02 Common Base NPN Transistor Characteristics is a compact, ready to use Transistor Characteristics experiment board. This is useful for students to plot Input, Output & Constant Current Transfer Characteristics of NPN transistor in Common Base configuration and to understand active, cutoff and saturation region of operation of NPN transistor.

Scientech Analog Electronics Experiment Boards are designed as a comprehensive Modular solution for beginners to explore the fundamentals of a variety of basic building blocks in Analog Electronics. The boards are very user friendly and support self learning through flexibility of making circuit connections. Schematic diagrams on the boards provide easy understating of the concepts. Test points are provided to observe the waveforms/ signals and to measure voltages at different nodes. The boards can be used as standalone unit with external DC Power Supply, or can be used with Scientech Analog Labs; Scientech 2612/ Scientech 2612A/ Scientech 2613. These labs have built in DC Power Supply, AC Power Supply, Function Generator, Modulation Generator, Continuity Tester, Toggle Switches, and Potentiometers. Product Tutorial with theory, description, explanation, procedure, references and results is available online on www.ScientechLearning.com .

Features

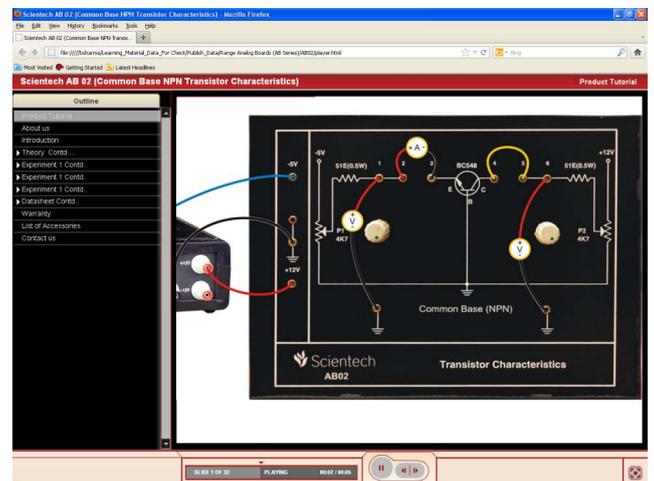
- On board test points to observe signals
- On board schematic diagram
- lexibility of making circuit connections
- Light weight & compact
- Online Product Tutorial

Scope of Learning

- Study of NPN transistor characteristics in Common Base configuration and to evaluate - Input resistance, Output resistance, and Current gain

Optional

- AD-01 DC Power Supply ($\pm 12V$, $\pm 5V$)
- Simtel Analog Electronics Software



Online Product Tutorial