

AD-01 DC Power Supply (optional)

Sciencetech AB64 RC-Coupled Amplifier with Feedback is a compact, ready to use experiment board for RC-coupled amplifier with negative feedback. This board is useful for students to study and understand operation of RC-coupled amplifier with and without negative feedback and determine the gain, frequency response and bandwidth of it.

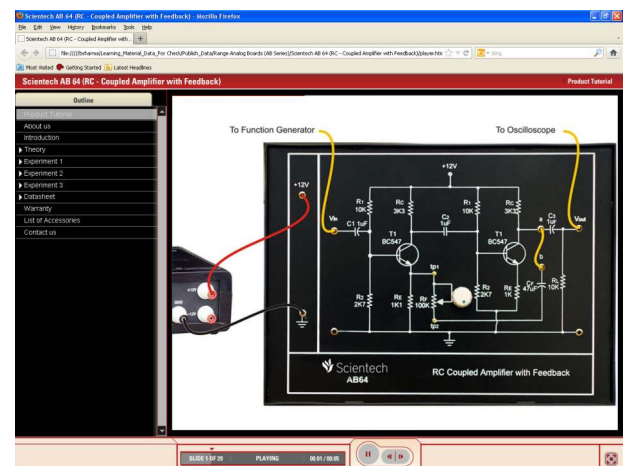
Sciencetech Analog Electronics Experiment Boards are designed as a comprehensive Modular solution for beginners to explore the fundamentals of a variety of basic building blocks in Analog Electronics. The boards are very user friendly and support self learning through flexibility of making circuit connections. 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, and Function Generator or can be used with Sciencetech Analog Labs; Sciencetech 2612/ Sciencetech 2612A / Sciencetech 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.SciencetechLearning.com.

Features

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

Scope of Learning

- Study the effect of negative feedback on gain of RC-coupled amplifier
- Study the frequency response of RC-coupled amplifier with & without feedback
- To measure the gain and bandwidth of RC-coupled amplifier with different feedback factor
- High cutoff frequency of Low pass filter
- Pass band gain of Low Pass Filter
- Plot the frequency response of Low Pass Filter



Online Product Tutorial

Optional

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