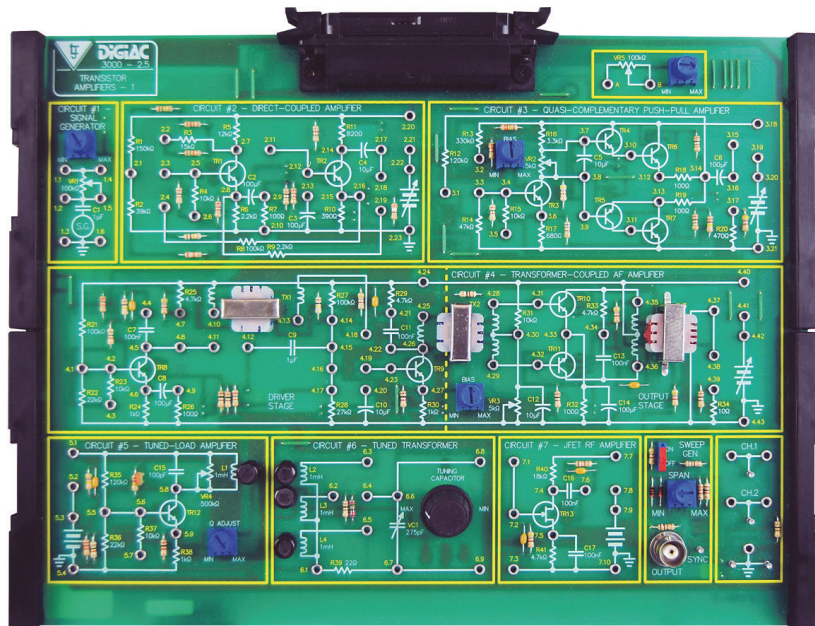


Product Information Sheet

Transistor Amplifiers Study Module



LJ CREATE™
Learning for life



This electronics study module is designed to connect to the 300-01 or 300-02 Advanced Electronics Experiment Platforms as part of a modular electronics programme.

The study module is designed to extend the student's knowledge of biasing and feedback requirements of transistor amplifiers through a wide range of practical activities.

Using either of the Experiment Platforms, users can select from a range of faults to be inserted into the study module circuits to develop electronic diagnostic and faultfinding techniques.

The study module is supplied with PDF manuals that provide theory materials, practical tasks, faultfinding activities, and technical information.

Topics Include the Following:

- Transistor Amplifier Review
- Transistor Amplifier AC Behavior & Feedback
- Small Signal Single Stage Amplifiers - Effect of Feedback
- Small Signal Direct Coupled Multistage Amplifiers
- Large Signal Direct Coupled Multistage Amplifiers
- Small Signal AC Coupled Multistage Amplifiers
- Large Signal AC Coupled Multistage Amplifiers
- Tuned Load Amplifiers
- Coupling Tuned Circuits

Typical Activities Include:

- Determine values to be used for transistor amplifier circuit components
- Investigate the effects of series current AC feedback on a base potential divider biased amplifier
- Diagnose a fault in a directly coupled two stage transistor amplifier circuit
- Investigate the AC behavior of a variable class amplifier in Class A, B, and AB modes
- Identify the uses of transformers in single and multistage amplifier circuits

- Investigate the AC behavior of a tuned load amplifier with variable Q Factor
- Investigate the indirect coupling in a double-tuned amplifier
- Faultfinding advanced transistor amplifier circuits

Items Included:

- Circuit Card
- Storage Case
- Curriculum Manual in PDF Format

Other Items Required:

- 300-01 Advanced Electronics Experiment Platform
 - Digital Multimeter
 - Dual Trace Oscilloscope
 - Signal Generator
- or
- 300-02 Advanced Electronics Experiment Platform with Virtual Instrumentation

General Information:

Dimensions: 81 x 323 x 256 mm (W, H, D)
Shipping Volume: Approx 0.008 m³
Shipping Weight: Approx 2 kg

Order Code: 303-25

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For more information visit www.ljcreate.com