LJ CREATE™
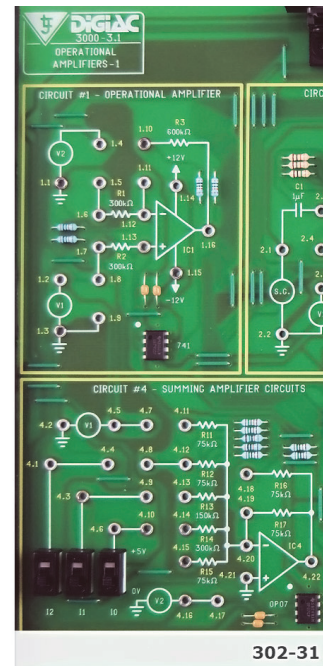Learning for life
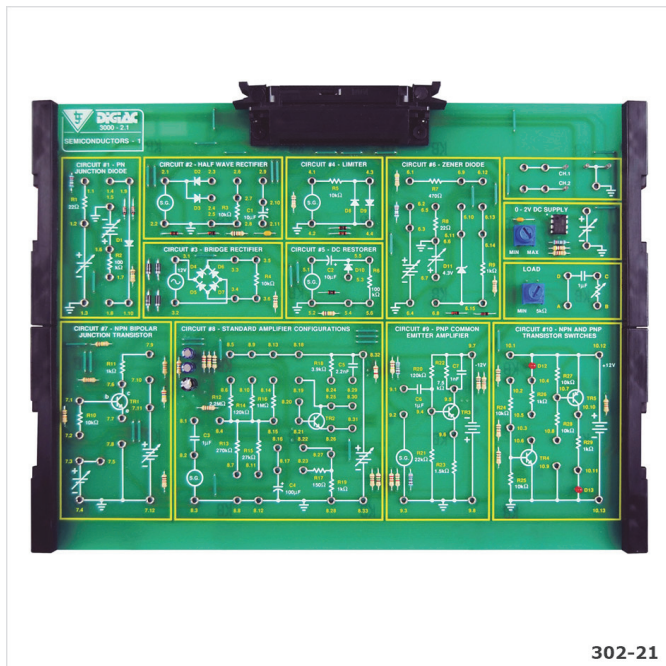
302-21
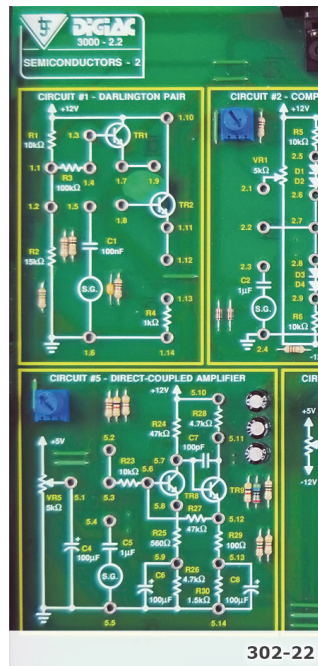
302-22

302-31

This set of Advanced Electronics Study Modules provides practical learning activities to cover the range of analogue electronics topics.

The Analogue Electronics study modules are designed to connect to the Advanced Electronics Experiment Platform (300-01) as part of a modular electronics programme.

Using the Advanced Electronics Experiment Platform, a range of faults to be selected and inserted into the study module circuits to develop electronic diagnostic and faultfinding techniques.

Each study module in this pack is supplied with a PDF manual that provides theory materials, practical tasks, faultfinding activities, and technical information.

Pack Includes the Following Modules:
- Semiconductors 1 (302-21)
- Semiconductors 2 (302-22)
- Operational Amplifiers (302-31)

Typical Topics Include:
- P-N Junction Diode Ohm's Law
- Half Wave Rectifier
- Bridge (Full Wave) Rectifier
- Zener Diode
- Transistor Characteristics
- Transistor Amplifier
- Bias Stabilization
- Other Amplifiers
- Two Stage Amplifier
- The Transistor as a Switch
- Darlington Pair Emitter Follower
- Complementary PNP/NPN Pair
- Constant Current Sink
- Differential Amplifier
- Directly Coupled (DC) Amplifier
- JFET Characteristics
- JFET Common Source Amplifier
- Analogue Switch
- Operational Amplifier
- Basic Operational Amplifier
- Inverting Amplifier - DC Operation
- Inverting Amplifier - Alternating Input
- Comparator Circuits
- Integrator

- Non-Inverting Amplifier
- Summing Amplifier
- Difference Amplifier

Other Items Required:
- 300-01 Advanced Electronics Experiment Platform
- Digital Multimeter
- Dual Trace Oscilloscope
- Function Generator

General Information:
Shipping Volume: Approx. 0.024 m^3
Shipping Weight: Approx. 6 kg

See individual module information sheets for more specific details.

Order Code: 302-00

P8602-C

For more information visit www.ljcreate.com