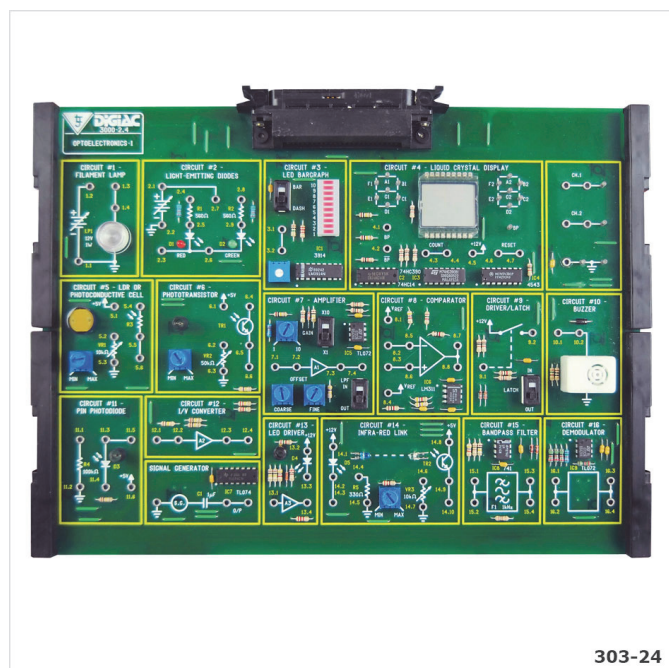
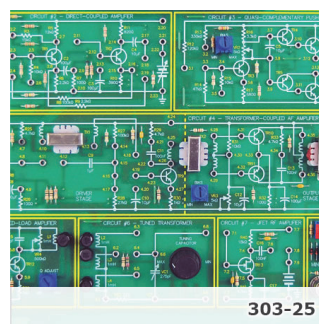


Product Information Sheet

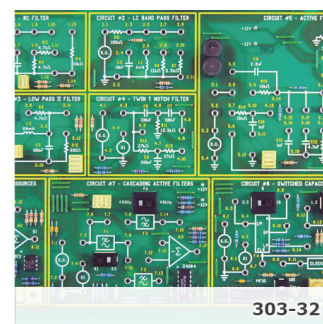
Advanced Electronics Circuit Applications Pack



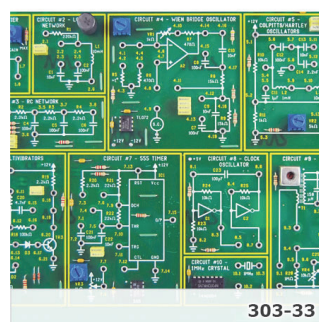
303-24



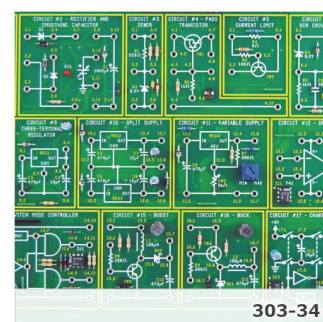
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303-32



303-33



303-34

This set of Advanced Electronics Study Modules provides practical learning activities aimed at the study of circuit applications.

The Circuit Applications 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:

- Optoelectronic Devices (303-24)
- Transistor Amplifiers (303-25)
- Filter Circuits (303-32)
- Oscillators (303-33)
- Power Supplies (303-34)

Typical Topics Include:

- State Indicators
- Display Devices
- Ancillary Circuits
- Photoconductive Cells
- Optic Fiber Devices
- Simple Bar-Code Reader
- PIN Photodiode
- Infra-Red Link
- Burglar Alarm
- Transistor Amplifier Review
- Transistor Amplifier AC Behavior & Feedback
- Small Signal Single Stage Amplifiers - Effect of Feedback
- Small Signal Direct Coupled Multistage Amplifiers
- Tuned Load Amplifiers
- Coupling Tuned Circuits
- Logarithmic Scales
- Simple RC Filters
- LC Band Pass Filter
- The Low Pass Pi Filter
- Twin T Notch Filter
- Active Filters

- Composite Filters
- Switched Capacitor Filters
- Oscillator Requirements
- Wien Bridge Oscillator
- LC Oscillators
- Tuned Drain FET Oscillator
- Astable and Monostable Circuits
- 555 Timer
- Clock Oscillator
- Rectification
- Stabilization and Smoothing
- Protection
- Variable Output Voltage
- IC Power Supplies
- Switch-Mode Supply

Other Items Required:

- 300-01 Advanced Electronics Experiment Platform
- Digital Multimeter
- Dual Trace Oscilloscope
- Function Generator

General Information:

Shipping Volume: Approx 0.04 m³
Shipping Weight: Approx 10 kg

See individual module information sheets for more specific details.

Order Code: 303-00

P8603-C

For more information visit www.ljcreate.com