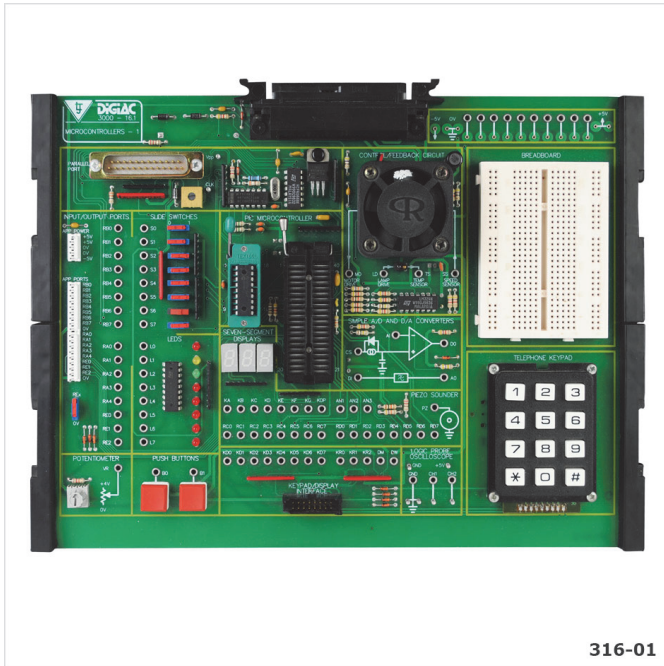


# Product Information Sheet

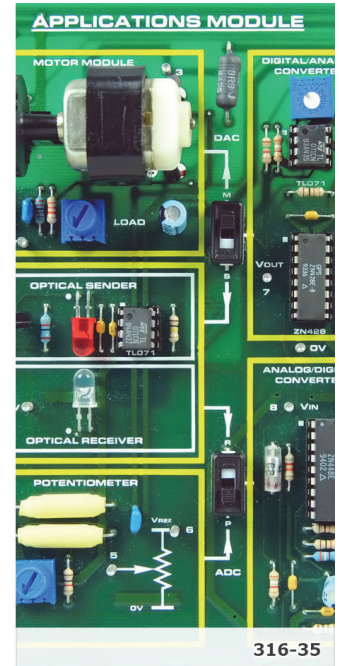
## PIC Pack



316-01



316-02



316-35

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

The PIC 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:

- PIC Microcontroller (316-01)
- PIC 32 Extension Kit (316-02)
- Microcontroller Applications Board (316-35)

### Typical Topics Include:

- Microprocessors, Microcomputers, and Microcontrollers
- Overview of PIC Microcontrollers
- Number Systems
- PIC Software
- Interfacing
- Program Development
- Basic Input/Output
- Logic Systems
- Subroutines and Loops
- Interrupts
- Timers
- Keyboard Scanning
- Sound Generation
- EEPROM Programming
- Analog to Digital Conversion
- Digital to Analog Conversion
- Simple Closed Loop Control
- Equipment installation
- Connecting the Adapter
- Disconnecting the Adapter
- Compatibility
- Port Mapping
- Sample Programs

- Recommended Hardware Connections
- Introduction to C Programming (including examples)
- Start-up Code
- Interrupts
- C Operator Reference and Precedence Table
- PIC32 Adapter Schematic Diagram

### Other Items Required:

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

### General Information:

Shipping Volume: Approx 0.024 m<sup>3</sup>  
Shipping Weight: Approx 6 kg

See individual module information sheets for more specific details.

**Order Code: 316-00**

P8607-C

**For more information visit [www.ljcreate.com](http://www.ljcreate.com)**