

Product Information Sheet

Control Electronics Pack



429-13



316-35

This collection of study cards is designed to connect to the 409-01 Experiment Platform or to the 300-01/300-02 Advanced Electronics Experiment Platforms* as part of a modular electronics programme.

PIC Microcontrollers are a great application for teaching a variety of electronic aspects. This practical resource provides an engaging introduction to control using microcontrollers.

The learner will investigate programming of input and output devices through a series of practical investigations. This resource is ideal for use within an intermediate electronics program.

This pack can be also be used in conjunction with our optional cloud-based software, which offers online practical electronics tasks as well as interactive theory presentations, investigations, and assessments, which link directly to the practical activities carried out using this resource.

* Note: to connect to 300-01, 300-02, D3000 EXP or D3000 VIP2 you will also need a 409-02 Experiment Card Motherboard.

Practical Tasks Include the Following:

- Introduction to PICs and PICBasic
- Basic PICShell and Running a PIC Program
- Introduction to Programming
- Ports and Input/Output
- Loops and Sequences
- Arithmetic & Logic Operations and Delays
- Introduction to Interrupts

Items Included:

- PIC Microcontroller (429-13)
- Microcontroller Applications Board (316-35)
- Storage Cases
- Manuals in PDF Format on CDROM
- PC Connection Lead
- USB-Parallel Adaptor

Other Items Required:

- Windows PC
 - 490-01 Experiment Platform
- or
- Windows PC
 - 300-02 Advanced Electronics Experiment Platform
 - 409-02 Experiment Card Motherboard

General Information:

Dimensions: 50 x 238 x 175 mm (W, H, D)
Shipping Volume: Approx. 0.006 m³
Shipping Weight: Approx. 1.2 kg

See individual module information sheets for more specific details.

Order Code: 429-00

P8610-A

For more information visit www.ljcreate.com