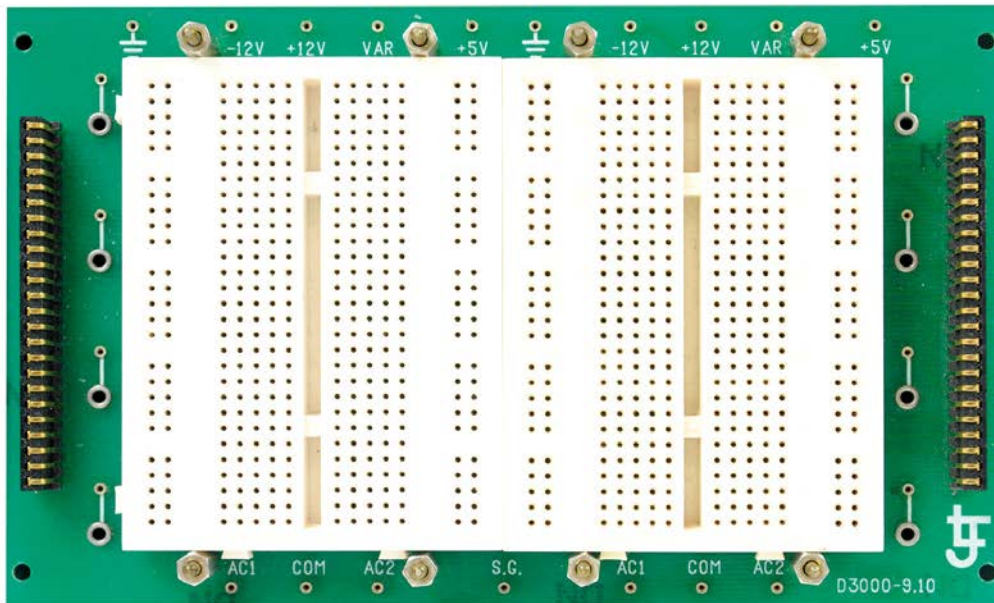


# Product Information Sheet

## Breadboard Circuits



This electronics study card 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.

This practical resource introduces students to breadboards and their applications through a wide range of practical activities. This resource is ideal for use within an intermediate electronics program.

The board 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:

- The Wheatstone bridge
- NPN on PNP transistors
- Differential amplifier
- JFET
- Analog switch
- Integrator switch logic
- Diode logic
- Multivibrators
- D/A and A/D converters

### Items Included:

- Circuit Card
- Storage Case
- Manuals in PDF Format on CDROM

### Other Items Required:

- 490-01 Experiment Platform
  - Digital Multimeter
  - Dual Trace Oscilloscope
  - Function Generator
- or*
- 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. 0.002 m<sup>3</sup>

Shipping Weight: Approx. 0.35 kg

**Order Code: 419-10**

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