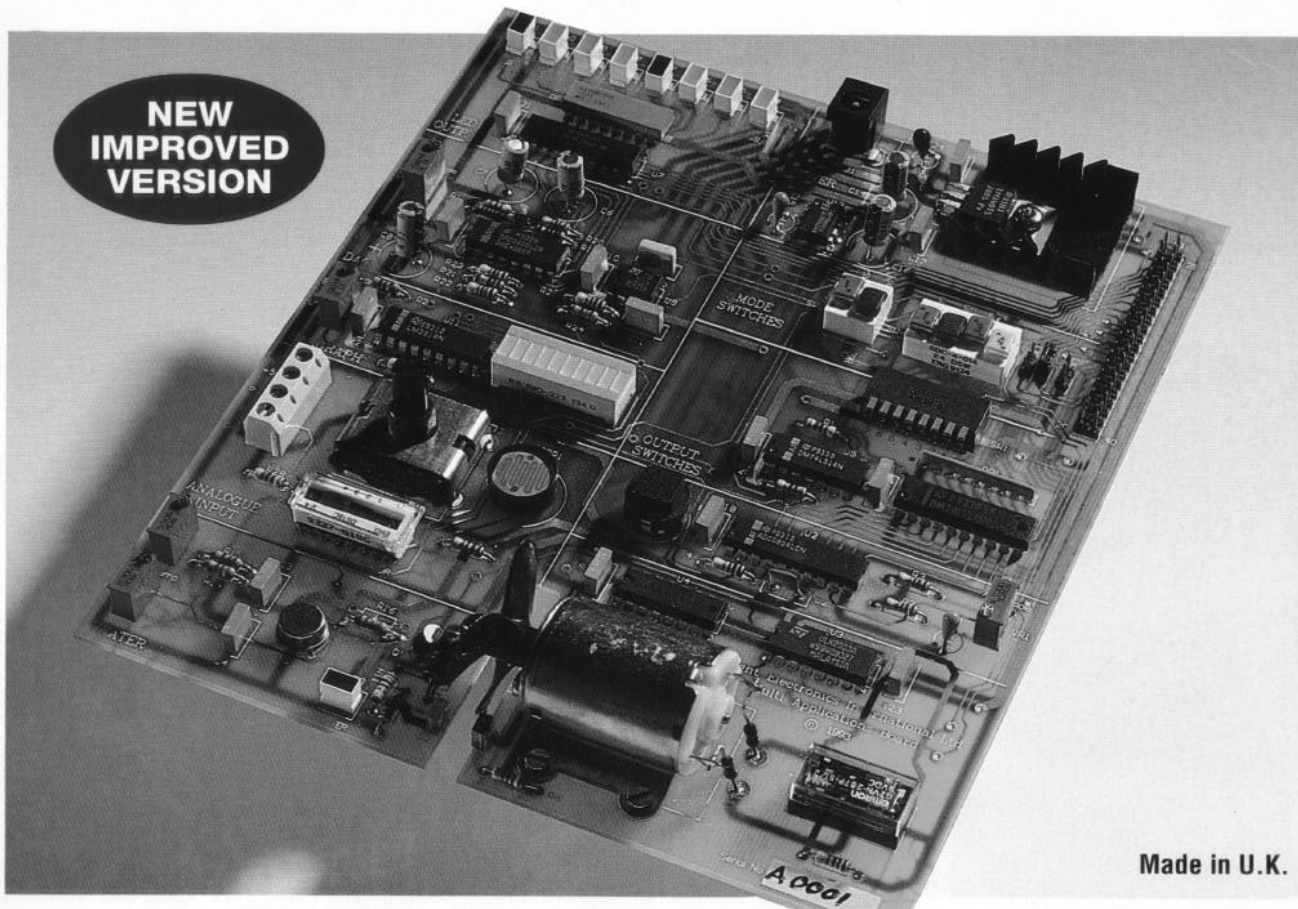


The Application Board

**NEW
IMPROVED
VERSION**



Made in U.K.

This compact, low cost unit contains all you need to fully understand 'real time' microprocessor based control systems.

The new improved application board is designed to teach closed-loop and open-loop control systems, and can be used with our full range of microprocessor trainers as well as an IBM-PC computer.

The new PCB layout enables the student to easily understand each experimental section they are working on.

The extensive experiment manual included with each system, is tailored to each host computer. The manual contains 18 easy to use, self-teach style experiments which show how to interface a computer to the outside world and control external devices such as a D.C. motor, light and heating systems, in addition to illustrating important concepts such as analogue to digital conversion.

The manual assumes however, that the user has no prior knowledge of microprocessor systems.

This system has to be the ultimate choice for those involved in Control Technology!

The comprehensive list of experiments is shown below.

Introduction FLT-68K Version

1. Communication Entering Programs
2. Switches and LEDs input and output
3. Decision making
4. Time delay sequences
5. A/D conversion
6. D/A conversion waveform generation
7. Analogue display bar graph
8. Motor control
9. Temperature control with alarms
10. analogue sources, volts, light.

- Appendices
- Answers to Questions
- Index

Specification

- Inputs:
 - 8 digital switches
 - Temperature sensor
 - Optical speed/position sensor
 - Light sensor. Potentiometer
 - External analogue input
- Outputs: D.C. motor
- 8 LEDs. Bargraph
- Heater. Analogue output
- Mains Adapter provided
- Experiment Manual - self-teach experiments plus 16 questions, with fully worked answers
- Users Manual - provides full specifications and circuit diagrams

Ordering Information and Interface Requirements

Description	Part No.
Applications Board for MPF-1P	010-040
requires Digital I/O Board - page 8	421-022
Applications Board for MPF-1B	010-041
requires Peripheral Input/Output IC.	997-007
Applications Board for IBM-PC	010-045
requires Digital I/O card - page 8	151-012
Applications Board for all remaining hosts	010-043
requires no extra interface	

NOTE: Customers requiring the old design should prefix (P) to the part number.