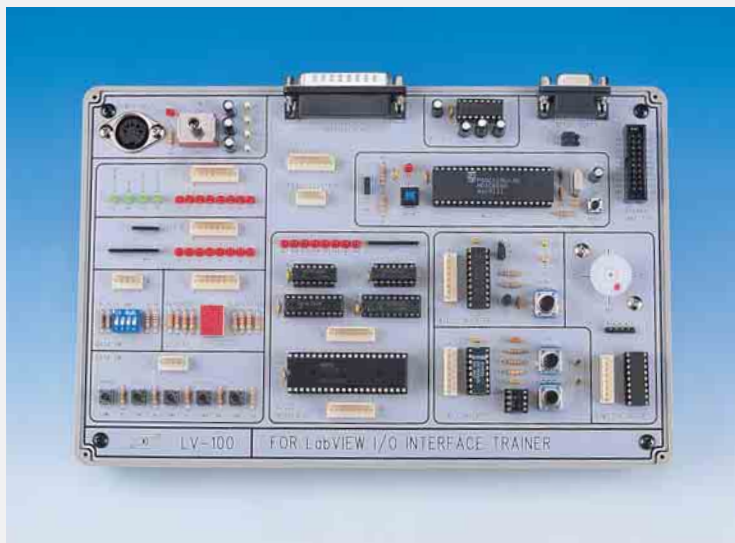


**LV-100****LabVIEW™ I/O INTERFACE TRAINER**

Designed for users to learn and apply the widely used LabVIEW™ graphical language (G language), “LV-100 for LabVIEW™ I/O Interface Trainer” is an ideal trainer for users of all levels. LV-100 for LabVIEW™ I/O Interface Trainer provides I/O control experiment manual, which covers from the basic experiments such as how to program with the use of parallel and serial ports in PC to the advanced experiments of applying 8255 (Programmable Peripheral Interface) and 8051 (Micro-Controller).

**PRODUCT SPECIFICATION**

1. Experiments are guided by LabVIEW™ text-book <Hardware interface with LabVIEW™> to explore the learning and application of the G Language
2. The system provides direct control LED modules to display the information transfer condition
3. 7-segment display output plus 4 bits DIP-switch and push button switch for input mechanism
4. Other than internal supply, the power source can be used for external experimental circuitry
5. The 8051 micro-controller adapts ISP (In-System Programming), extra programmer is eliminated, the ISP software is provided, more experiments can be performed
6. The system includes 8255 programmable interface chip, with A/D, D/A and stepper motor circuitry, varieties of application can be designed
7. With LabVIEW™ trial version only, all the experiments can be performed

**EXPERIMENT CONTENTS**

1. Understanding and implement of the parallel port control
2. Parallel port address setting and control
3. LabVIEW™ reads input from the parallel port
4. Control of the Input/Output of parallel port
5. Understand of the serial port and I/O control
6. Understanding of 8051, communication and control
7. Flow control on the serial port
8. Understanding of 8255 and application
9. Application of ADC with 8255
10. Application of DAC with 8255
11. Application of stepper motor with 8255