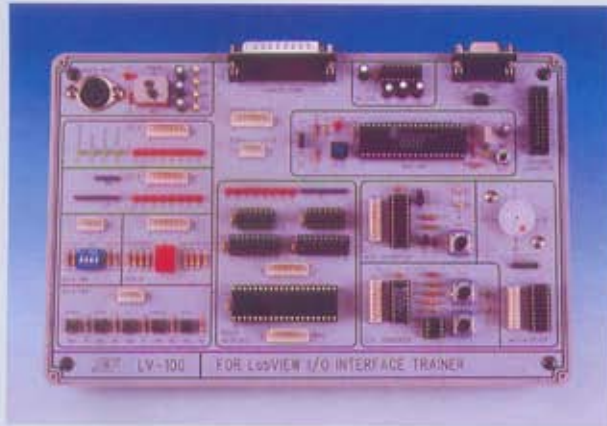


LV-100

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LabVIEW™ I/O INTERFACE TRAINER



Designed for users to learn the widely used application of LabVIEW™ graphical language (G-language), "LV-100 is an ideal trainer for users of all levels. It provides I/O control experiment manual, which covers from the basic programming using parallel and serial ports in PC to the advanced experiments of applying 8255 (Programmable Peripheral Interface) and 8051 (Micro-Controller).

Prouct Specification

1. Experiments are guided by LabVIEW™ text-book. As for hardware interface ,it is 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. Besides internal supply, the power source can be used for external experimental circuitry.
5. The 8051 micro-controller adopts ISP (In-System Programming). The ISP software is provided so 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 of which can be designed
7. With trial version of LabVIEW™ 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 for 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