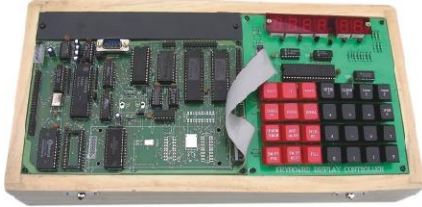


MICROPROCESSOR & MICROCONTROLLERS

8031 Microcontroller Trainer

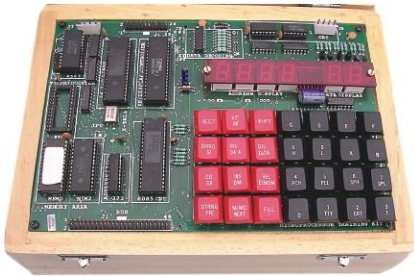


Technical Specifications

- CPU : 8031/8051/89C51
- Memory : Total on board capacity of 128K bytes
- RAM : 32K bytes and space for further expansion
- ROM : 32K bytes of EPROM loaded with powerful program
- Timer : 16bit programmable timer/counter using 8253
- I/O : 48 I/O lines using 8255 PPI
- Keyboard : 10 keys for command
16 key for hexadecimal data entry
1 key for vector interrupt & 1key for reset
- LED Display : 6 seven segment display
(4 for address field & 2 for data field)
- Bus : All data, address and control signals
(TTL compatible available at FRC connector)
- Interface : RS-232-C through 8251
- Power Supply Requirement : +5V, 1.5Amp for the kit
- Operating Temperature : 0 to 50°C
- Real Time Clock : Optional
- Battery Backup : For RAM

8085 Microprocessor Trainer

ME 1302



Technical Specifications

- CPU : 8 Bit Microprocessor, the 8085
- Memory : Total on board capacity of 64K bytes.
- RAM : 8K/32K bytes and space for further expansion
- ROM : 8K bytes of EPROM loaded with powerful program
- Timer : 16bit programmable timer/counter using 8253
- I/O : 24 I/O lines using 8255
- Keyboard : 10 keys for command
16 keys for hexadecimal data entry
1 key for vector interrupt & 1key for reset
- LED Display : 6 seven segment display (4 for address field & 2 for data field)
- Bus : All data, address and control signals
(TTL compatible available at FRC connector)
- Interface : RS-232-C through SID/SOD lines with auto baud rate (optional)
- Power Supply Requirement : +5V, 1.5Amp for the kit, +12V, 250mA for CRT/PC interface
- Operating Temperature : 0 to 50°C

8086 Microprocessor Trainer

ME 1303



Technical Specifications

- CPU : 8086, 16 bit Microprocessor operating in max. Mode or 8088 8 Bit microprocessor
- Co-Processor : 8087 Numeric Data Processor
- I/O : 8089 I/O Processor Memory
- EPROM : 16K bytes of EPROM loaded with monitor expandable to 1024 bytes using 27256
- RAM : 16K bytes of CMOS RAM expandable to 256K bytes using 6264/62256
- Input/Output
 - Parallel : 24 I/O lines expandable to 72 lines (3nos of 8255A)
 - Serial : EIA RS-232-C (Main)
 - Timer/Counter : Three 16 bit timer/counter through 8253
 - Other Interfaces : EPROM Programmer for 2764/27128/27256
 - Keyboard & Display : 28 Keys and 8 seven segment display
 - BUS : All address, data and control signals(TTL compatible) available at edge connector as per Multi Bus. The kit also has its own Resident Bus
- Power Supply Requirement : +5V, 2.5Amp for the kit, +12V, 250mA for CRT & +24/21V for EPROM Programmer
- Operating Temperature : 0 to 50°C