

## M85-07 8085 Microprocessor Trainer Kit



**M85-07** is a single board Microprocessor Trainer Kit based on 8085 Microprocessor, which is widely used to train engineers to develop software/hardware for any industrial process & control. This Kit consists of power-full Monitor EPROM, RAM, I/O Lines, Timer/Counter, Serial, 16x1 LCD Display and Keyboard for Man to Machine Interface.

### Features

- 5 16K Bytes of EPROM with 8K bytes of Battery Backup RAM.
- 5 48 I/O Lines, Three Channel Timer/Counter, PC Serial Interface, ADC, DAC, Relay, Opto, Interrupt Controller, USART, EPROM Programmer.
- 5 20x2 LCD Display with 101 ASCII Keyboard.
- 5 Power-full Command like Single Stepping, Break Point, Full Clock Execution, Examine Memory/ Register.
- 5 Uploading & Downloading to and from PC in Windows98/XP/NT.
- 5 In-Built Power Supply.

### Specifications

- ! Based on 8085 CPU operating at 6.144 Mhz.
- ! 16K bytes of Powerful Monitor Program using 27512 EPROM
- ! 8K bytes of RAM using 6264 with Battery Backup using NICD Battery.
- ! On-board one memory expansion up to 56KB.

- ! Three Channel Timer/Counter using 8253 brought out at 10 Pins FRC Connector.
- ! 48 I/O lines provided through two nos. of 8255 brought out at 26 Pins FRC Connector to interface with IC-XX Series.
- ! RS-232C interface through SID/SOD lines
- ! Two mode of commands:
  - ASCII Key pad Mode
  - Serial Mode
- ! 20x2/20x4/40x2 Alphanumeric LCD Display with Backlite.
- ! 101 ASCII Keyboard interface using 89C2051 operating @ 12MHz.
- ! On-board 8 Channel ADC using ADC0809.
- ! On-board 1 Channel DAC using DAC-0800.
- ! On-board SPDT Relay
- ! On-board OPTO Isolator.
- ! On-board 8 Ch. Interrupt Controller using 8259
- ! On-board AUX. Serial using 8251 USART brought at 9 pin D-Type Connector.
- ! On-board EPROM Programmer for 2716, 2732, 2764, 27128, 27256, 27512.
- ! On-board Dot-Matrix Printer Interface brought at 25 Pin D-Type Connector.
- ! Powerful Commands like Examine/Edit Memory, Examine/Edit Register, Single stepping, Execution, Block Move, Insert Data, Delete Data can be used through ASCII keyboard or PC serial mode.
- ! On board Single Line Assembler / Disassembler
- ! Facility for Downloading/Uploading files from/to PC.
- ! All address, data & control lines are available on KXT Bus 50 pin FRC Connector to interface with SC-XX Series.
- ! All ICS are mounted on IC Sockets.
- ! Bare board Tested Glass Epoxy SMOBC PCB is used.
- ! In-Built Power Supply of +5V/1.5A, ±12V/250mA
- ! Attractive enclosures.
- ! User's Manual with sample programs.

Note : Specifications can be altered without notice in our constant efforts for improvement.