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.....a total solution for Educational Lab Trainers

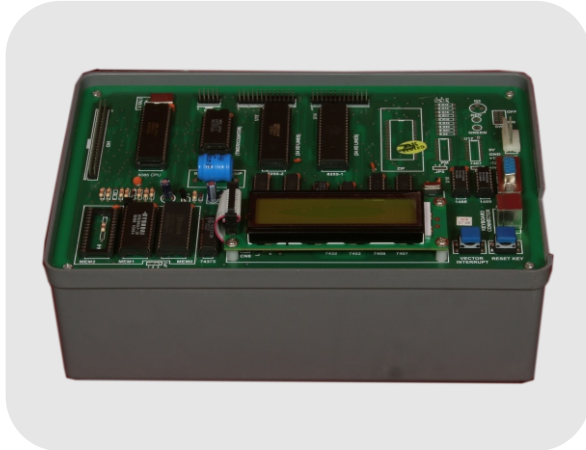## M85-04
8085 Microprocessor Trainer Kit

M85-04 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, 20x2 LCD Display and Keyboard for Man to Machine Interface.

Features

- ✓ *16K Bytes of EPROM with 8K bytes of Battery Backup RAM.*
- ✓ *48 I/O Lines, Three Channel Timer/Counter, PC Serial Interface.*
- ✓ *20x2 LCD Display with 101 ASCII Keyboard.*
- ✓ *Power-full Command like Single Stepping, Break Point, Full Clock Execution, Examine Memory/ Register.*
- ✓ *Uploading & Downloading to and from PC in Windows98/XP/NT.*
- ✓ *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.
- 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 ABS Plastic enclosures.
- User's Manual with sample programs.

Optional

- On-board EPROM Programmer for 2716, 2732, 2764, 27128, 27256, 27512.
- PRINTER INTERFACE to interface with DOT MATRIX Printer.

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