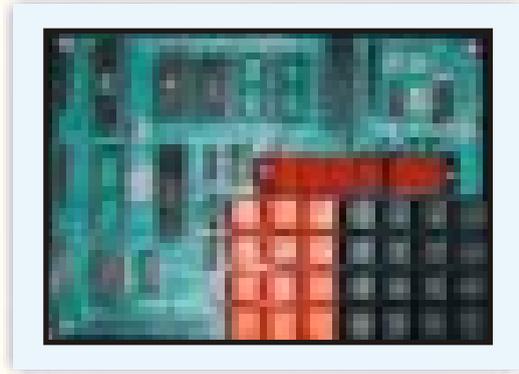




# 8051 MICRO CONTROLLER TRAINER

## MODEL - MP8051G

This kit has been designed with a view to provide practical and experimental Knowledge of general circuit of 8051 Micro controller circuits on single P.C.B.



### SPECIFICATIONS

- 1 Introduction to assembler directives.
- 2 Assembly language programming for addition, subtraction, multiplication and division of two 8-bit numbers.
- 3 Assembly language programming for block data transfer between internal and external memory including overlapping blocks.
- 4 Assembly language programming for Timers in different modes.
- 5 Introduction to  $\mu$ VISION3 IDE , program development and debugging (simulation) process.
- 6 I/O port programming in embedded C.
- 7 Timers and Counters programming in embedded C for time delay and frequency measurement using ISRs.
- 8 Digital clock programming using 7-segment display in embedded C.
- 9 Programming of LCD in embedded C.
- 10 Programming of keyboard in embedded C.
- 11 Serial communication and UART programming in Embedded C.
- 12 Programming of parallel ADC and DAC in embedded C.
- 13 SPI programming in embedded

In keeping view of SIGMA policy of continuous development and improvement, the Specifications may be changed without prior notice or obligation.

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