NAUGRA®

Product name:	Product code:
8 Bit Microprocessor Emulation 8051 Trainer	EEN0026



Description

8 Bit Microprocessor Emulation 8051 Trainer

Technical specification

Dot Matrix experiment

D C Motor experiment by D/A converter

Volt Meter experiment by A/D converter

Sound experiment

User Program start address : 0000H (reset vector)

89C51 Read / Write / Verify function

Stand alone mode with Built in Keyboard & LCD

LCD display (16 X 2 Lines)

+5V, +12V, -12V, S.M.P.S. (free voltage) power

Wood / Plastic case

Cooling fan (+12V)

SPECIFICATIONS :

P C operation program : Integration Development Environment Program

Micro controller : 8031 / 8051 / 8751 / 89C51 compatible

Main Ram : 32 KB (62256)

Monitor Rom : 32 KB (27256)

Display Unit : LCD display (16 X 2 Line)

I/O port : CPU I/O Port, 8225A X 1

Serial port : RS – 232C

User Program start address : 0000H (reset vector

Dot Matrix LED : 8 X 8 (3 Color)

Keyboard : 16 keys for data,

8 keys for function

Software : 8051 Assembler, C-Complier, IDE : Emulation software

IDE Program : Display 8051 internal architecture

Source code editing, Assembling, Compiling & Program writing

Code memory disassemble

8051 Register & internal / External memory dump and Editing function

Source level debugging function

Pop-Up menu

Program stop function by “ESC” key

89C51 Write function

A/D, D/A converter : ADC : ADC0804

DAC : DAC0800

Motor : D C motor

Sensor : Photo interrupter

1 Speaker

Step motor interface circuit : Driver T. R. x 4

Expansion connector : System bus 34 Pins x 1

CPU I/O Pins 34 x 1

External interface 30 Pins x 1

89C51 Read / Write / Verify / Eras

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Civil Laboratory Equipment Manufacturers and Suppliers India Civil Lab Exportrs India

Email us at: export@civilmechanicalindia.com

Integration Development Environment Program

Source Code Editing, Assembling, Compiling & Program writing In one powerful environment

C Language, Assembling Source code debugging function Source level debugging function