Display module MC04 is a learning platform to study the working of displays used for industrial applications. MC04 has been designed to demonstrate the applications of Nvis Microcontroller development platforms. The object is to connect and program a Microcontroller to display data and monitoring. Contrast and backlight control are provided on the module.

Features

- 16 x 2 character LCD interface
- Seven segment display interface
- LED bar graph interface
- PC based programming
- Expansion connectors for plug in with Microcontroller unit and prototyping area
- Every pin is marked in order to make the learning easier
- Input/Output & test points provided on board

Note :

- This module is compatible with Scientech 620X Series and Nvis 5001A/2/3/4/4A/5 Series Microcontroller development platform.
- To run MC04 module with Nvis 5004, Add-on board is required.

Scope of Learning

- Study of implementation, analysis and interfacing of LED bar graph
- Study of analyze the interfacing of 16 x 2 character LCD
- Study of implementation, analysis and interfacing of seven segment display

Technical Specifications

Display	: 16 x 2 character LCD
Contrast control	: 0 - 5 V (Variable)
Backlight control	: 0 - 5 V (Variable)
Seven segment display	: 4 nos.
LED bar graph	: 1 no.
Interface	: 20 pin FRC cable
Test points	: 32 nos
Power Supply	: From Scientech 620X Series and Nvis 500X Series Microcontroller development platform
Dimensions (mm)	: W 250 x D 150 x H 80
Weight	: 380 gms approximately

Subject to change – Version 2.0