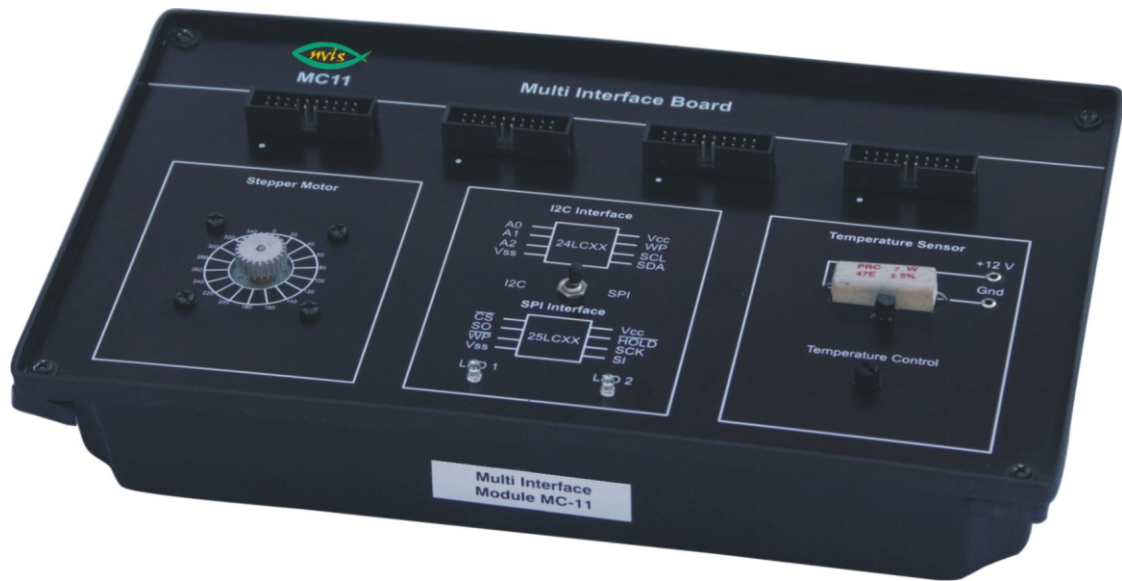




Multi Interface module MC11



Nvis Technologies Multi interface module MC11 is an extension module for Nvis Microcontroller development platforms. The object is to have a clear understanding of how input peripherals are interfaced and controlled with Microcontroller. MC11 has been designed to have a clear understanding of how Stepper Motor is interfaced and controlled with Microcontroller. It also gives a clear understanding of SPI and I²C interface bus for data transfer.

Features

- Temperature Sensor interface
- Stepper Motor interface
- I²C EEPROM interface
- SPI EEPROM interface
- PC based programming
- Expansion connectors for plug in with Microcontroller unit and prototyping area
- Every pin is marked in order to make the study easier

Note:

- This module is compatible with Scientech 620X Series and Nvis 5001A/2/3/4/4A/5 Series Microcontroller development platform.
- To run MC11 module with Nvis 5004, Add-on board is required.
- To run MC11 experiments, MC04 module is required.
- To run MC11 with Nvis 5001A, MC02 module & Interface adaptor is required.

Scope of Learning

- Study of I²C based EEPROM interfacing
- Study of SPI based EEPROM interfacing
- Study of Stepper Motor interface
- Study of Temperature Sensor interface

Technical Specifications

Temperature Sensor	: LM35 0 - 100°C (Analog output)
I ² C Memory	: 128 K EEPROM
SPI Memory	: 128 K EEPROM
Stepper Motor	: +5 V DC
Power Supply	: From Scientech 620X Series and Nvis 500X Series
Microcontroller	: development platform
Interface	: 20 pin FRC cable
Dimensions (mm)	: W 255 x D 155 x H 80
Weight	: 280 gms (approx.)
Included Accessories :	
Patch cord	: 2 nos.

