Multi Interface module

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 I^{2}C interface bus for data transfer.

Features

▸ **Temperature Sensor interface**

▸ **Stepper Motor interface**

▸ **I^{2}C 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**

▸ **Exhaustive Learning Material**

▸ **2 Year Warranty**

Note :

1. This module is compatible with Nvis NV5001 and NV5004A only.

2. To run MC11 experiments, MC04 module is required.

3. To run MC11 with NV5001, MC02 module is required.

Scope of Learning

▸ Study of I^{2}C 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 Microcontroller development platform NV5001/NV5004A
Interface	:	20 pin FRC cable
Dimensions (mm)	:	W 255 x D 155 x H 80
Weight	:	280 gms (approx.)
Learning Material	:	CD (Theory, procedure, reference results, etc), Online (optional)

Included Accessories :

Learning material CD	:	1 no.
Patch cord	:	2 nos.

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Subject to Change,

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