



Nvis Technologies input interface module MC15 is an extension module for Nvis Microcontroller development platforms.

The module has been designed to demonstrate the students and practicing engineers to gain invaluable practical experience on the principle and applications of Microcontroller. The object is to have a clear understanding of how Sensors (like Temperature and Pressure Sensors) are interfaced and controlled with Microcontroller.

The object is to connect and program a Microcontroller to sense inputs. Sensor Module, MC15 has input and output terminals for connection of external real world applications. Pressure Sensor and Temperature Sensor Interface Module MC15 is generally used in the applications such as monitoring and controlling in Industries and many more.

Features

- ▶ **Differential Input Pressure Transducer**
- ▶ **Temperature Sensor interface**
- ▶ **High Power Resistance for increasing the temperature**
- ▶ **Precise Signal Conditioning**
- ▶ **Self contained and easy to operate**
- ▶ **Sensitive, Linear, Stable and Accurate**
- ▶ **PC based programming**
- ▶ **Expansion connectors for plug in with Microcontroller unit and prototyping area**
- ▶ **Every pin is marked in order to make work easier**
- ▶ **Input/Output & test points provided on board**
- ▶ **Exhaustive Learning Material**
- ▶ **2 Year Warranty**

Note :

1. This module is compatible with Nvis NV50XX series.
2. To run MC15 experiments, MC04 module is required.
3. To run MC15 experiment with NV5001 and NV5003, MC02 module is required.

Designed & Manufactured by :

Nvis Technologies Pvt. Ltd.

141-A, Electronic Complex, Pardesipura, Indore - 452 010 India

Tel.: 91-731-4211500, Telefax: 91-731-4202959, E-mail: info@nvistech.com, Website : www.nvistech.com

Scope of Learning

- ▶ Study of Temperature Sensor interface
- ▶ Study of Pressure Transducer interface

Technical Specifications

Temperature Sensor	: LM35 0 - 100°C
Pressure Transducer	: 0 to 100 psi, Differential Input
Pressure Gauge	: 0 to 100 psi
Pressure Vessel	: 0 to 100 psi
Safety Valve	: 0 to 100 psi
Foot Pump	: 0 to 150 psi
Power Supply	: From Microcontroller development platform NV50XX series
Interface	: 20 Pin FRC Cable
Test point	: 2 nos (Gold plated)
Dimension (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 :

Patch cord	: 2 nos.
Foot Pump	: 1 no.
Pressure Vessel	: 1 no.
Learning material CD	: 1no.