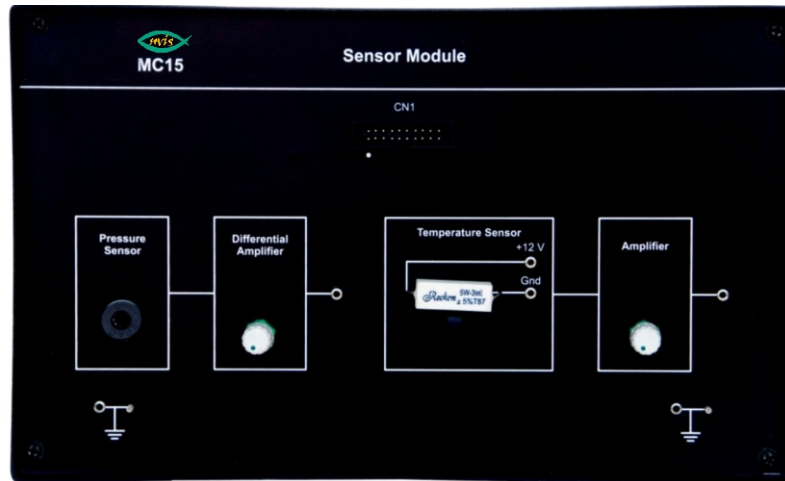




# Sensor module MC15



**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**

## Note :

- This module is compatible with Scientech 620X Series and Nvis 5001A/2/3/4/4A/5 Series Microcontroller development platform.
- To run MC15 module with Nvis 5004, Add-on board is required.
- To run MC15 experiments, MC04 module is required.
- To run MC15 experiment with Nvis 5001 and Nvis 5003, MC02 module is required.

## 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 Scientech 620X Series and Nvis 500X Series Microcontroller development platform
Interface	: 20 Pin FRC Cable
Test point	: 2 nos.
Dimension (mm)	: W 255 x D 155 x H 80
Weight	: 280 gms (approx.)
Included Accessories :	
Patch cord	: 2 nos.
Foot Pump	: 1 no.
Pressure Vessel	: 1 no.