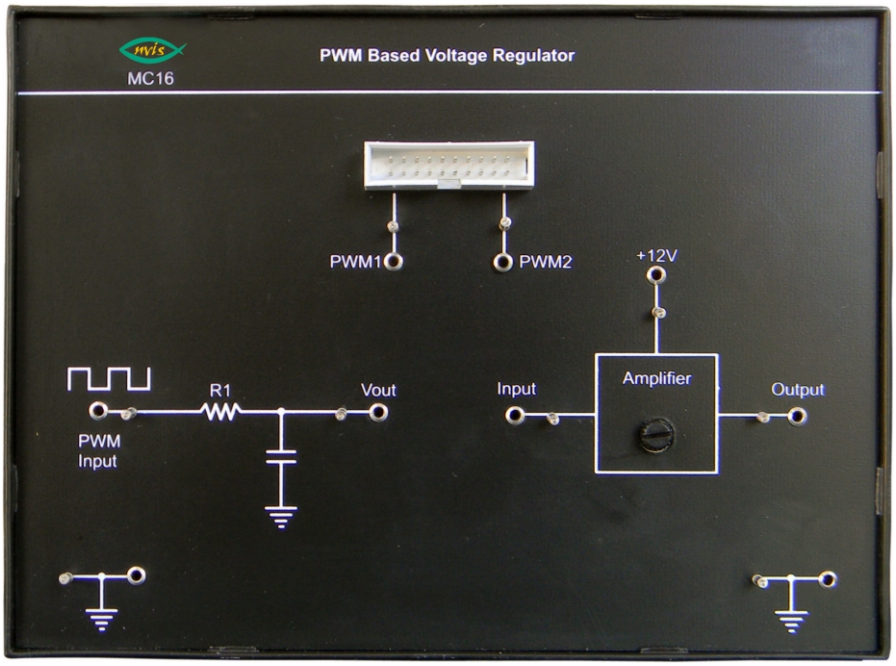
PWM Based Voltage Regulator module
MC16



PWM based voltage regulator module enable students and practicing engineers to gain invaluable practical experience of voltage regulation using Pulse width modulation (PWM).

The object is to have a clear understanding of how PWM is generated using Microcontroller to use in various applications like Servo Motor speed control etc.

Features

- **Onboard Amplifier to amplify voltage**
- **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 MC16 module with Nvis 5004, Add-on board is required.

Scope of Learning

- Study of generate PWM and convert into Voltage

Technical Specifications

Input and Reference

Voltage range	:	0 - 5 V DC (Variable)
Amplifier Gain	:	1 to 2
Power Supply	:	From Scientech 620X Series and Nvis 500X Series Microcontroller development platform
Interface	:	20 pin FRC cable
Test points	:	9 nos.
Dimensions (mm)	:	W 175 x D 130 x H 28
Weight	:	220 gms (approx.)

Included Accessories :

Patch cord	:	3 nos.

Subject to change - Version 2.0

Designed and Manufactured in India by -
Nvis Technologies Pvt. Ltd.
141-A, Electronic Complex, Pardesipura, Indore-452010, India.
✆ +91-731-4211500, ✉ info@nvistech.com, www.NvisTech.com