



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
- ▶ Exhaustive Learning Material
- ▶ 2 Year Warranty

Note : This module is compatible with Nvis NV50XX series.

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 Microcontroller development platform NV50XX series |
| Learning Material | : CD (Theory, procedure, reference results, etc), Online (optional) |
| Interface | : 20 pin FRC cable |
| Test points | : 9 nos. (Gold plated) |
| Dimensions (mm) | : W 175 x D 130 x H 28 |
| Weight | : 220 gms (approx.) |

Included Accessories :

| | |
|----------------------|----------|
| Learning material CD | : 1 no. |
| Patch cord | : 3 nos. |

Designed & Manufactured by :

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