



# Calibration of Voltmeter and Ammeter using Potentiometer

Nvis 6032



**Nvis 6032 Calibration of Voltmeter and Ammeter by Potentiometer** is an elite setup designed to understand the functioning and calibration of Potentiometer, Voltmeter and Ammeter. It is a complete setup with training board, Potentiometer and Calibration unit. Calibration unit has a Voltmeter and an Ammeter, which can be Calibrated by Potentiometer. A Potentiometer is an instrument designed to measure an unknown voltage by comparing it with a known voltage. It has a high degree of accuracy. The potentiometer is used extensively for the calibration of voltmeters and ammeters, and provides a standard method for calibration of these instruments.

## Features

- Inbuilt meters
- Complete setup with all necessary accessories
- Compact design
- Online product tutorial

## Scope of Learning

- Calibration of Voltmeter using DC potentiometer
- Calibration of Ammeter using DC potentiometer
- Calibration of Voltmeter using crompton DC potentiometer
- Calibration of Ammeter using crompton DC potentiometer

## Technical Specifications

Analog Voltmeter	: 0-10V
Analog Ammeter	: 0-1A
Potentiometer Wire	: Constantan
Length	: 10m
DC Supply (Standard)	: 1.0V
Variable Resistance	: 3-Decade : x0.1 $\Omega$ , x1 $\Omega$ , x10 $\Omega$
Voltage Ratio Factor	: 0, 1.5, 15, 30, 150, 300
Total Resistance	: 15k $\Omega$
Variable Supply	: 0-12 V
Mains Supply	: 230V $\pm$ 10%, 50 Hz
Fuse	: 0.5A

Designed & Manufactured in India by

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