Power Measurement by Two Wattmeter Method

Nvis 7005

Nvis 7005 Power Measurement by Two Wattmeter Method is an exclusive and useful product for Electrical laboratories. It is designed to explain the students, how total power is measured in a three phase circuit using only two wattmeters. With this product, student can study the power flow in three phase system and correspondingly calculate Active, Reactive and Apparent power. Apart from this student can easily understand different three phase parameters like Line Voltage, Line Current, Phase Voltage, Phase Current and their mutual relationships to verify star and delta properties in three phase circuit.

Features

- **Inbuilt Inductive Load**
- **Facility to configure Star and Delta Load**
- **Control board consist of high grade FRP material to provide utmost safety to the users**
- **Provided with bulb holder to use load externally**
- **Equipped with supply indication lamps**
- **Designed by considering all the safety standards**
- **Diagrammatic representation for the ease of connections**
- **Exclusive and Compact Design**
- **Product Tutorial (CD)**

Scope of Learning

- Measurement of Power Factor in a Three Phase Circuit
- Measurement of Active, Reactive and Apparent Power in a Three Phase Circuit by two wattmeter method
- Measurement of Three Phase Parameters in star and Delta Configurations

Technical Specifications

Mains Supply	: Three Phase, 415V ±10%, 50Hz
Load	: Resistive Load (R) and Resistive-Inductive Load (RL)
Digital Meters Used	
Wattmeter	: 1500W (2 nos.)
AC Voltmeter	: 450V
AC Ammeter	: 5A
MCB (TPN)	: 10A
Optional	
Three Phase Variac, 10A	

Subject to change - Version 2.0

Designed & 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