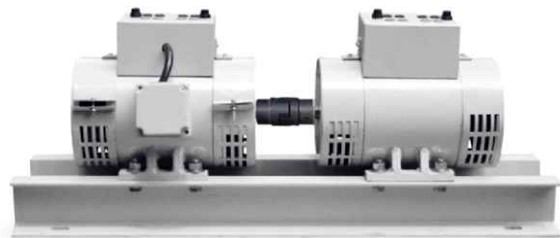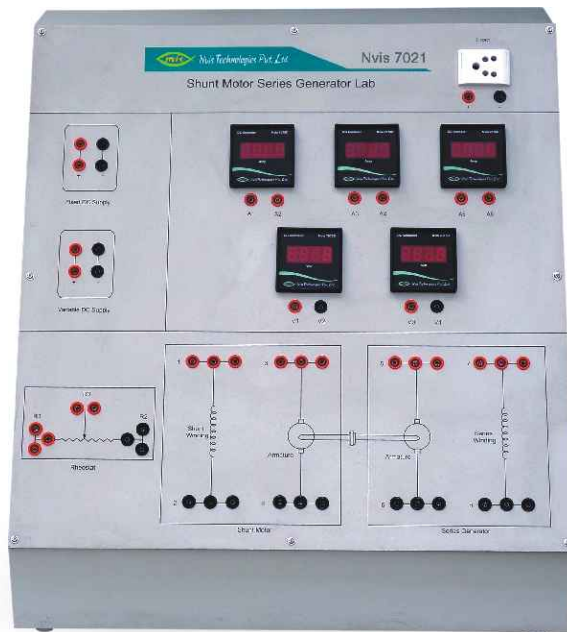# Shunt Motor Series Generator Lab
Nvis 7021

Nvis 7021 Shunt Motor Series Generator Lab is an elite training system for the Electrical laboratories. This product help students to understand basic operations of DC Series Generator. It can aptly be used for performing various experiments like Working of Generator, Analysis of Magnetic Characteristic and also efficiency at any desired load. Separate terminals of armature and field windings are provided on top of the machine. Starter and rheostat terminals are provided on the panel so that these can be connected externally to the circuit. The product thus provides complete understanding of experiments with Shunt Motor and Series Generator.

Features

- Electrical Loading Arrangement
- Flexible Shaft Coupling Arrangement
- Provided with Digital Techometer
- Machine with Class "B" Insulation
- Heavy Duty Base/Channel
- Terminals provided to use the optional externally
- Designed by considering all the safety standards
- Diagrammatic representation for the ease of connections
- Exclusive and Compact Design
- Online Product Tutorial

Scope of Learning

- Study and verify the No-Load Characteristic of DC Series Generator
- Study and verify the Load Characteristic of DC Series Generator

Technical Specifications

Machine Specifications
Both the Machines are flexibly coupled and mounted on a "C" Channel base
DC Motor (acts as prime mover)

Type	: Shunt
Rating	: 2HP
Voltage Rating	: 220V ±10%
Speed	: 1500 RPM
Insulation	: Class 'B'

DC Generator

Type	: Series
Rating	: 1HP (Also available with 2HP)
Speed	: 1500 RPM
Insulation	: Class B

Digital Meters used

DC Voltmeter	: 300V (2 nos.)
DC Ammeter	: 5A (2 nos.), 10A (1no.)

Optional
- DC Power Supply "Nvis 725A" (for machines rated upto 2HP respectively)
- Resistive load "Nvis 726/Nvis 7067" (for machines rated upto 1HP/2HP respectively)
- Rheostat 5A,110

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