

**Product Name :**  
Electrical Machine Trainer

**Product Code :**  
Lab Trainers0009



**Description :**

Electrical Machine Trainer

We are Leading Supplier of Electrical Machine Trainer in India. We also bulk supply Electrical Machine Trainer for laboratory tenses.

Specifications :

19 Types of Modules & Graphic Boards

25 Types of Electrical Machine Assembly

Experimental Board Rack & Storage Trolley

Experimental Board Rack (BR-6)

Installation Capacity : 8 ea

Dimension : 1480 X 740 X 320 Mm ( W x H x D )

Board Storage Cabinet ( BS-20)

Storage Capacity : 13

Experimental Modules List :

Field Rheostat : 1 ea

Starting Rheostat : 1 ea

AC/DC Machine Load Unit : 1 ea

Three Phase (Y-?) Load Unit : 1 ea

Variable R, L, C Load Unit : 1 ea

AC/DC Power Supply : 1 ea

AC Volt / Ampere Meter : 1 ea

DC Volt / Ampere Meter : 1 ea

DC Milli ammeter : 1 ea

AC/DC Machine Field Frame : 2 ea  
Auto Driving Unit : 1 ea  
Pole Changing Unit : 1 ea  
Graphic Board List :  
DC Machine Board : 1 ea  
Three Phase Machine Board : 1 ea  
Rotary Converter Board : 1 ea  
Compound Motor Board : 1 ea  
Speed Control of Induction Motor Board : 1 ea  
Repulsion Motor Board : 1 ea  
Split Phase Motor Board : 1 ea

**LIST OF MACHINE PARTS :**

3 Pole Rotor & Other Rotors : 6 ea  
Wide Magnetic Pole Pieces : 15 ea  
Shunt Field & Various Field Coil : 10 ea  
Permanent Magnet (Round Type) : 2 ea  
Brush & Brush Holder Set : 3 ea

**LIST OF EXPERIMENTS :**

**BASIC EXPERIMENTS ON GENERATOR :**

Principle of the Generator  
Single-phase AC Generator using permanent magnet  
DC Generator using permanent magnet  
Separately excited DC shunt wound generator by field coil  
Self-excited DC shunt wound generator by field coil  
Generator's no-load saturation  
Load characteristics of separately excited DC shunt wound generator  
Load characteristics of AC generator  
Principle of 3 phase AC generator  
Revolving field, 3 phase AC generator  
Principle of rotary converter

**BASIC EXPERIMENTS ON MOTOR :**

Principle of the Motor  
DC motor using permanent magnet  
DC series wound motor using the field coil  
DC shunt wound motor by starter and field resistor  
DC compound motor  
AC universal motor  
Rotary field of 3 phase induction motor  
Squirrel cage induction motor  
2 step speed control of induction motor  
Repulsion motor  
Split phase motor by condenser  
Polarized motor

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