



46601 Slip Ring Induction Motor Lab is an important product designed to demonstrate the operating behavior & working of Three Phase Machine. It provides complete learning contents to enhance practical knowledge and makes students get to know the fundamental concepts of Three Phase Induction Machine.

The product includes comprehensive learning of various experiments such as running & reversing phenomenon, no load test, block rotor test and load test of Three Phase Induction Machine. Students can measure the equivalent circuit parameters along with losses, power factor under different loading conditions. Winding terminals brought out on top of the motor with adequate protections so that the students can make connections by themselves.

Features

- Machine with Mechanical Loading Arrangement
- Provided with Digital Tachometer
- Machine with Class "B" Insulation
- Heavy Duty Base/Channel
- Brake-Drum/Pulley with heat suppression facility
- Equipped with supply indication lamps
- 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
- Learning material CD
- 2 Year Warranty

Scope of Learning

- Study of Running and Reversing of Three Phase Induction Motor
- Study of No Load Test in a Three Phase Induction Motor
- Study of Block Rotor Test in a Three Phase Induction Motor
- Study and Measurement of Slip in a Three Phase Induction Motor
- Study of Speed-Torque Characteristics of Three Phase Induction Motor

Technical Specifications

Mains Supply	: Three Phase, 415V \pm 10%, 50Hz
Three Phase Machine	
Type	: Slip-Ring
Rating	: 3HP (also available with 5HP)
Voltage Rating	: 415V
RPM	: 1440 (No load)
Insulation	: Class 'B'
Loading Arrangement	: Mechanical
Brakedrum/Pulley	: Aluminum Casted
Meters Used	
Ammeter (MI)	: 10A
Voltmeter (MI)	: 500V
Wattmeter	: 2500W (2 nos.)
MCB (TPN)	: 10A
Dimensions (mm)	: W 600 x D 350 x H 450 (Control Panel) W 430 x D 500 X H 760 (Motor)
Weight	: 14.5kg (approximate) (Control Panel) : 55kg (approximate) (Motor)

Optional
Rotor Resistance Starter
Three Phase Variac, 10A

Note: Specifications are subject to change.

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