



Three Phase Induction Motor Trainer is an adaptable training system for the Electrical laboratories. The product helps you to get fully acquainted with the basic concepts and functioning of a Three Phase squirrel cage Induction Motor. The trainer practically expertises you in exercises like Running and Reversing, No Load Test, Block Rotor Test, Slip Measurement, Load Test etc. The vast scope of learning makes the subject completely understandable.

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
- 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 performed in a Three Phase Induction Motor
- Study of Block Rotor Test performed in a Three Phase Induction Motor
- Measurement of Slip in a Three Phase Induction Motor
- Study of Speed-Torque characteristics in a Three Phase Induction Motor

Technical Specifications

Mains Supply	: Three Phase, 415V \pm 10%, 50Hz
Three Phase Induction Motor	
Type	: Squirrel Cage
Rating	: 1HP (Also available with 2 HP, 3 HP and 5 HP)
Voltage Rating	: 415V
Speed	: 1440 RPM (No Load)
Insulation	: Class 'B'
Loading arrangement	: Mechanical
Brake Drum/Pulley	: Aluminum Casted
Analog Meters used	
Wattmeter	: 1000W (2 Nos.)
Voltmeter (MI)	: 500V
Ammeter (MI)	: 5A
MCB (TPN)	: 10A
Tachometer	: 20,000 RPM
Dimensions (mm)	: W 600 x D 350 x H 450 (Control Panel) W 250 x D 400 x H 600 (Motor)
Weight	: 14.5kg (approximate) (Control Panel) 22kg (approximate) (Motor)

Optional

Three Phase Variac, 10A

Note: Specifications are subject to change.

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