



Product Overview

The Control Panel for Squirrel Cage Induction Motor is designed for laboratory, testing, and educational setups, providing a safe and organized interface for operating and analyzing AC induction motors. It features a sturdy front panel (Polycarbonate / Hylam) with a clear schematic diagram, precision AC meters, insulated terminals, protection devices, and integrated indication lamps. The panel is mounted on a durable MS angle frame suitable for long-term training use.

Key Features

- Screen-printed polycarbonate front panel / Hylam sheet with circuit schematic
- High-quality AC voltmeter and ammeter for accurate measurement
- 3-Pole MCB for enhanced circuit protection
- Special nylon insulated terminals / B.T.I-30 terminals
- Panel-mounted indication lamps
- Fully wired and assembled on Polycarbonate sheet / Hylam sheet
- Strong MS angle frame construction
- Suitable for engineering laboratories and training centers

Technical Specifications – Control Panel

Parameter	Specification
Front Panel Type	Screen-printed Polycarbonate / Engraved Hylam Sheet
Schematic Diagram	Printed / Engraved test circuit of Squirrel Cage Induction Motor
AC Voltmeter	0–500 V AC (600 V class)

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



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Parameter	Specification
AC Ammeter	0-15 A AC
MCB	3-Pole MCB
Terminals	Special Nylon-Based Insulated Terminals / B.T.I-30 Terminals
Indication Lamps	Provided; panel-mounted
Mounting Panel Size	600 mm × 600 mm
Frame Material	MS Angle Frame
Frame Dimensions	Height: 1700 mm, Width: 610 mm (approx.)
Wiring	Fully wired and assembled
Mounting Type	Floor-standing

Loading Arrangement (Pony Brake System)

A robust and accurate Pony Brake Loading Arrangement is provided for applying mechanical load to the Squirrel Cage Induction Motor during testing.

Components

- Brake Drum
- Belt
- Dial-Type Spring Balances
- Adjustable Rod
- Pulley with Base

This setup enables controlled loading conditions for performance evaluation and torque measurement.

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