

WSM-17

Induction Motor & DC Shunt Generator Trainer



Experiment

- Construction of squirrel induction motor and measurement of wire wound resistance.
- Total voltage starting of squirrel cage induction motor.
- Right / reverse operation of squirrel cage induction motor.
- Non-load experiment of squirrel cage induction motor.
- Slip measurement of squirrel cage induction motor.
- Load experiment of three phase induction motor.
- Power factor of squirrel cage induction motor
- Construction of DC Generator.
- Non-load & Load experiment of Shunt Generator

Specification

■ Main Controller

- Main Voltage : 3 Phase 220V / 50/60Hz (380V / 415V - Selective)
- Switch(MCCB)
- Phase Rotation Indicator
- Field Resistor
- Starter Block
- Phase Test Switch
- AC & DC Voltmeter
- AC & DC Amperemeter
- Digital Speed meter

■ Electric Machine

- 3 Phase Induction Motor
 - Input Voltage : 3 Phase 220V
 - Output : 360W(1/2Hp)
 - Pole Number : 4 Pole
 - Continuous rating : 1450~ / 1750rpm~
- DC Shunt Generator
 - Input Voltage : DC 200V
 - Output : 360W(1/2Hp)
 - Pole Number : 2 Pole
 - Continuous rating : 1500 / 1800rpm

■ Load Resistor

- Capacity : 0 ~ 420W
- Condenser 1 : 2.2 μ F \times 3EA
- Condenser 2 : 4.7 μ F \times 3EA

Accessory

- Experiment Manual : 1 Copy
- Test Lead (Banana Plug) : 1Unit
- Power Cable : 1EA
- Dust Cover : 1Set

Option

- 3 Phase Digital Watt Meter : 1EA
- DC Power Supply : 1EA
 - 0 ~ 30V