

WSM-11

Induction Motor & DC Compound 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
- Non-load & Load characteristic experiment of Compound wound 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

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

■ Load Resistor

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

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

Option

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