

# WSM-15

## Wound Induction Motor & DC Compound Generator Trainer



### Experiment

- Construction of wire wound motor and measurement of winding resistance.
- Secondary resistance starting method of wire wound motor.
- Forward / reverse operation of wire wound motor.
- Non-load & Load experiment of wire wound motor.
- Slip measurement of wire wound motor.
- Measurement the power factor of wire wound motor.
- The characteristic of rotor of wire wound motor.
- Construction and measurement of winding resistance of compound generator.
- Non-load & Load characteristic experiment of shunt generator.
- Load characteristic experiment of compound generator.

### Specification

#### ■ Main Controller

- Main Voltage : 3 Phase 220V / 50/60Hz ( 380V / 415V - Selective )
- Switch(MCCB)
- Phase Rotation Indicator
- Phase Test Switch
- Secondary Resistance Starter
- Field Resist
- Power Lamp
- DC Voltmeter
- DC Amperemeter
- Digital Speed meter
- Frequency Meter

#### ■ Electric Machine

- 3 Phase Wound Induction Motor
  - Input Voltage : 3 Phase 220V
  - Output : 360W(1/2Hp)
  - Pole Number : 4 Pole
  - Continuous rating : 1450~ / 1750rpm~
- DC Compound 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 $\mu$ F  $\times$  3EA
- Condenser 2 : 4.7 $\mu$ F  $\times$  3EA

### Accessory

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

### Option

- 3 Phase Digital Watt Meter : 1EA
- DC Power Supply : 1EA
  - 0 ~ 30V
- Analog Frequency Meter & DC Volt Meter : 1EA
  - 45 ~ 65Hz & mV