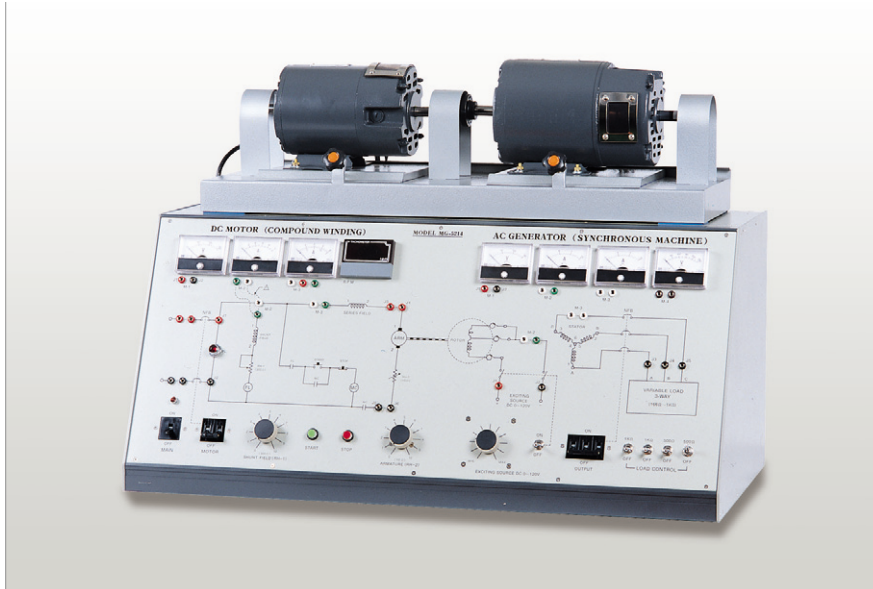


- Electrical Machine

DC(SHUNT, COMPOUND) MOTOR/ AC GENERATOR

MG-5214

- Load characteristics and loss / efficiency of DC motor
- 3-phase AC generator's characteristics by synchronous machine



> EXPERIMENTS

- DC motor's load characteristics
- DC motor's loss and efficiency
- Alteration of the motor's rotative directions
- Motor's speed and torque
- Saturation curve of AC generator
- Load characteristics of AC generator
- Loss and efficiency of AC generator
- Y-and Δ -connections

> SPECIFICATIONS

MOTOR SECTION

- Winding Type : Shunt/Compound
- Speed : 1250~1800 RPM
- Input Voltage : 120V, 3.6A
- Horsepower : $\frac{1}{3}$ HP
- Number of Poles : 2 poles
- Shunt Field : 120V, 0.4A
- Indication Meter : 2-current, 1-voltage, 1-RPM(digital)
- Overload Trip : 4A

GENERATOR SECTION

- Winding Type : Synchronous Machine
- Alternator Power : 120VA
- Output Voltage : 200V, 3-phase, 4Wire
- Speed : 1800 RPM
- Frequency : 60Hz
- Number of Poles : 4 poles

- Exciting Power : DC 0~120V, 1A
- Indication Meter : 2-current, 2-voltage
- Overload Trip : 2A Approx.
- Load Resistance : 375 Ω ~2k Ω , 600W

GENERAL CHARACTERISTICS

- Main Input Voltage : AC 220V, single phase
- Rating : 30 minutes
- Dimension : 960(W) x 670(H) x 480(D)mm
- Weight : 89kg

ACCESSORIES

- Patch Cords(ϕ 4 Plug) : 1set
- AC Power Cord : 1ea
- Experimental Manual : 1ea