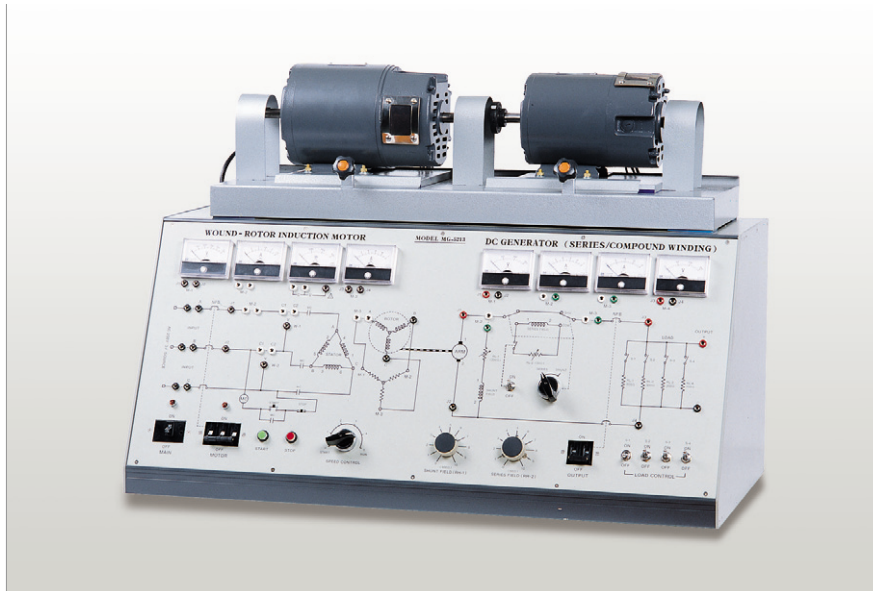


WOUND-ROTOR INDUCTION MOTOR/ DC GENERATOR

MG-5213

- Starting and load characteristics of wound rotor induction motor
- Load characteristics of DC shunt / compound generator



> EXPERIMENTS

- Start characteristics of wound-rotor induction motor
- Speed and torque of wound-rotor induction motor
- Power factor of wound-rotor induction motor
- Y-and Δ -connections
- Load characteristics of shunt-wound and compound generators
- Generator's speed and output by winding type
- Loss and efficiency comparisons by winding type

> SPECIFICATIONS

MOTOR SECTION

- Winding Type : Wound Rotor & Stator
- Speed : 1750 RPM
- Frequency : 60Hz
- Input Voltage : 208V, 3-phase(Y-connection : 360V)
- Full Load Current : 1.7A
- Number of Pole : 4 Poles
- Horsepower : $\frac{1}{3}$ HP
- Speed Controller : 0~50 Ω (3-way)
- Indication Meter : 2-current, 1-voltage, 1-RPM(digital), 1-watt
- Over Load Trip : 3A

GENERATOR SECTION

- Winding Type : DC Shunt/Compound
- Speed : 1750 RPM
- Number of poles : 2 poles
- Output Power : 115V, 1.5A
- Field Excitation : self-excitation

- Shunt Field Rheostat : 0~300 Ω , 50W
- Series Field Rheostat : 0~50 Ω , 50W
- Indication Meter : 2-current, 2-voltage
- Overload Trip : 4A
- Load Resistance : 48 Ω ~480 Ω , 500W

GENERAL CHARACTERISTICS

- Main Input Voltage : AC 220V, 3-phase
- Rating : 30 minutes
- System Dimension : 920(W) x 670(H) x 460(D)mm
- Weight : 90kg

ACCESSORIES

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