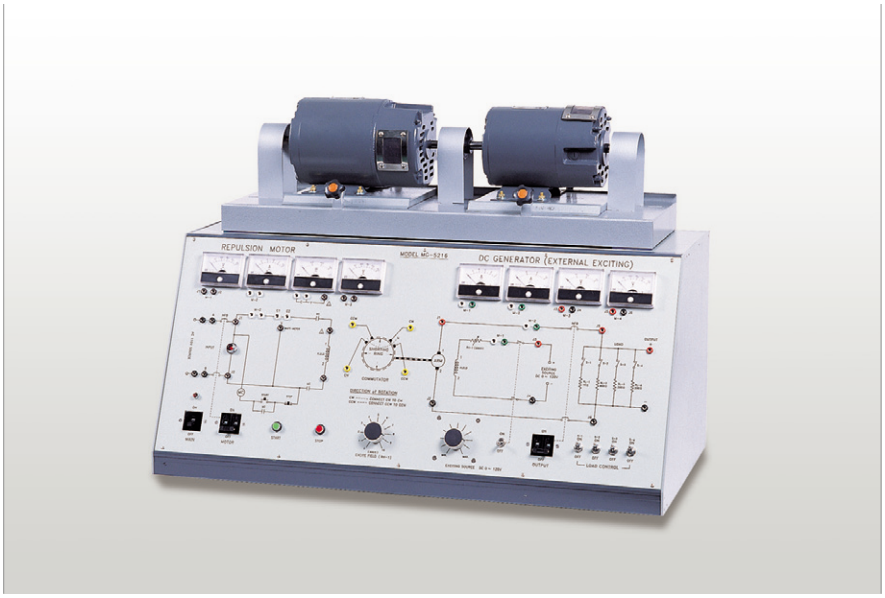
REPULSION MOTOR/ DC GENERATOR

MG-5216

- Starting and drive characteristics of repulsion induction motor
- Lad characteristics of separately excited DC shunt wound generator



> EXPERIMENTS

- Start and driving characteristics of repulsion induction motor(RIM)
- Alteration of RIM's rotative directions
- RIM's load characteristics
- RIM's no-load power factor and load power factor
- Load characteristics of separately excited DC shunt-wound generator
- No-load saturation characteristics of generator
- DC shunt-wound generator's loss and power factor

> SPECIFICATIONS

MOTOR SECTION

- **Winding Type** : Repulsion Start, 2 Field Stator
- **Speed** : 1750 RPM
- **Input Voltage** : AC 220V, 60Hz
- **Input Current** : 5A(110V), 2.5A(220V)
- **Number of Poles** : 4 poles
- **Horsepower** : $\frac{1}{3}$ HP
- **Direction of Rotation** : CW, CCW
- **Indication Meter** : 1-voltage, 2-current, 1-RPM(digital), 1-watt
- **Overload Trip** : 7A

GENERATOR SECTION

- **Winding Type** : Shunt(Separator)
- **Speed** : 1750 RPM
- **Output Power** : 120V, 1A
- **Number of Poles** : 2 poles
- **Field Excitation** : Separately excited
- **Shunt Rheostat** : 0 ~ 300Ω, 50W
- **Exciting Power** : DC 0 ~ 120V, 1A
- **Indication Meter** : 2-current, 2-voltage
- **Overload Trip** : 2A
- **Load Resistance** : 48Ω~480Ω, 500W

GENERAL CHARACTERISTICS

- **Main Input Voltage** : AC 220V, single phase
- **Rating** : 30 minutes
- **Dimension** : 960(W) x 670(H) x 480(D)mm
- **System Weight** : 91 kg

ACCESSORIES

- Patch Cord(ø4 Plug) : 1set
- AC Power Cord : 1ea
- Experimental Manual : 1ea