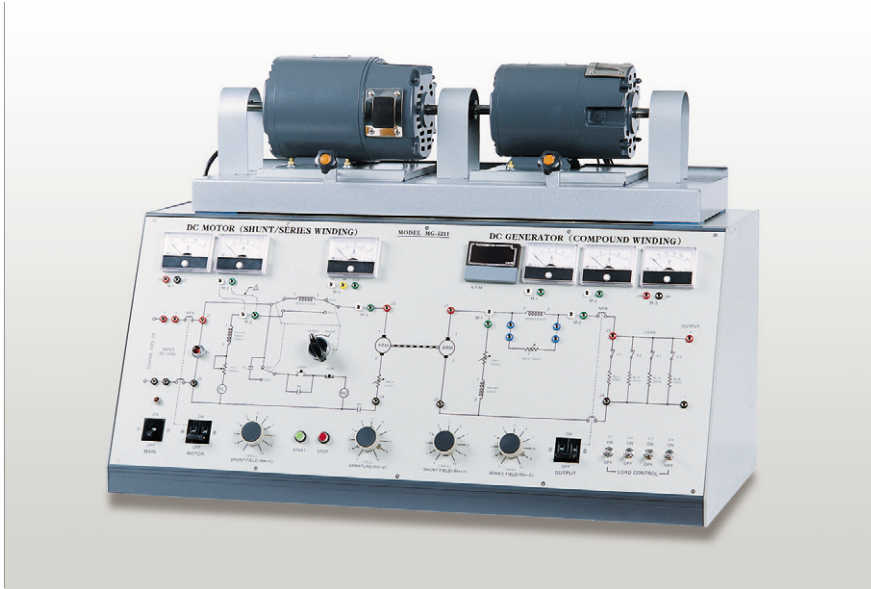


- Electrical Machine

DC(SHUNT, SERIES) MOTOR/ DC GENERATOR

MG-5211

- Starting and load characteristics of shunt/series DC motor
- DC generator's rotating speed and output characteristics



> EXPERIMENTS

- Start and load characteristics of DC shunt-wound motor
- Start and load characteristics of DC series-wound motor
- Loss and efficiency of DC motor
- Relationship of motor's speed with the electromotive force
- Load characteristics of DC compound motor
- Cumulative compound and differential compound characteristics
- Generator's rotating speed and output characteristics
- Loss and efficiency of DC compound generator

> SPECIFICATIONS

MOTOR SECTION

- Winding Type : Shunt/Series
- Speed : 1250~1800 RPM
- Input Voltage : 0~120V, 3.5A
- Shunt Field Excitation : 0.4A(Sep.), 120V
- Number of poles : 2 poles
- Horsepower : 1/3 HP
- Shunt Field Rheostat : 0~300Ω, 50W
- Armature Rheostat : 0~10Ω, 80W
- Indication Meter : 2-current, 1-voltage, 1-RPM(digital)
- Overload Trip : 4A

GENERATOR SECTION

- Winding Type : Compound
- Speed : 1800 RPM
- Output power : DC 0~120V, 1A
- Number of poles : 2 poles
- Field Excitation : Self excited
- Shunt Field Rheostat : 0~300Ω, 50W

- Series Field Rheostat : 0~50Ω, 50W
- Indication Meter : 2-current, 1-voltage
- Overload Trip : 2A
- Load Resistance : 48Ω~480Ω, 500W

GENERAL CHARACTERISTICS

- Main Input Voltage : AC 220V. single phase
- Rating : 30 minutes
- Dimension of system : 990(W) x 670(H) x 475(D)mm
- Weight : 75kg

ACCESSORIES

- Patch Cords(Ø4 Plug) : 1set
- AC Power Cord : 1ea
- Experimental Manual : 1ea