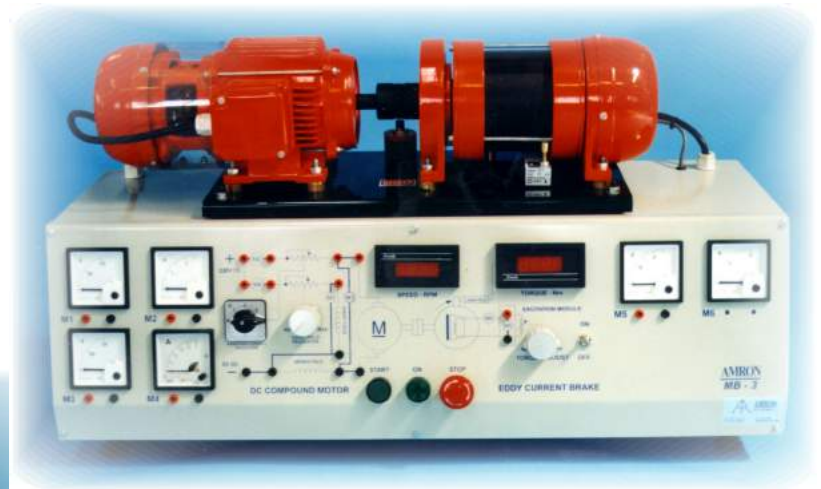


### Dedicated Motor/Generator Sets

Study The Characteristics And Performance  
Of Specific Motors And Generators



- H**igh quality, durable & cost effective
- M**odern equipment, user friendly
- S**elf contained & simple to operate
- C**omplete; no tools required; reduces experiment time
- H**ighly visible features, clearly presented
- D**etailed experiment manual & circuit diagrams
- E**ssential test & control points on the facia

## Product Information

The MG range of equipment is available in the following combinations :-

MODEL	MOTOR	LOAD	SUPPLY
MG1	D.C Compound	D.C Compound. Generator	1Ph
MG2	3Ph Synchronous	3Ph Synchronous. Generator	3Ph
MG3	3Ph Induction	D.C Compound. Generator	3Ph
MG4	D.C Shunt	3Ph Synchronous. Generator	1Ph
MG5	3Ph Synchronous	D.C Shunt. Generator	3Ph
MG6	D.C Shunt	D.C Shunt. Generator	1Ph
MG7	3Ph Slip- Ring	D.C Shunt. Generator	3Ph
MG8	3Ph Synchronous	D.C Compound. Generator	3Ph
MB1	3Ph Induction	Eddy Current Brake	3Ph
MB2	3Ph Slip- Ring	Eddy Current Brake	3Ph
MB3	D.C Compound	Eddy Current Brake	1Ph
MB4	1Ph Capacitor Start/Run	Eddy Current Brake	1Ph

- The dedicated MG - MB range enables the student to examine the characteristics and performance of the specific combination selected.
- The student can calculate and or measure the following parameters:
  - Speed
  - Torque
  - Driving and/or output voltage
  - Driving and/or output current
  - Efficiency
  - Power Factor
- Full speed control on the drive motor (All MG sets and where appropriate on MB sets)
- Full excitation control of the generator/alternator. (MG sets)
- Full excitation control of the generator/alternator. (MG sets)
- Load control of the generator/alternator. (MG sets)
- Voltmeters (72mm square)
- Ammeters (72mm square)
- Digital rpm meter (4 digits) Digital torque meter via load cell (4 digits) (MB sets)
- Variable load to stall by eddy current brake. (MB sets)
- Eddy current brake has a load capacity up to 3.8Nm. (MB sets)
- Industrially-rated motors
- Machine size: frame 80
- Machine power: 0.375Kw
- Screen-printed didactic on front panel showing diagrammatic representation of wiring and placement of metering
- All relevant measuring points brought out on front fascia
- Motors mounted on vibration-free pillars
- RPM sensed from machine to machine coupling
- Self contained needing no tools to assemble
- Complete with all leads and detailed experiment manual



## MOTOR / GENERATOR SETS

**MG/MB**

### Shipping Dimensions

Mass = 45kg, 85cm length, 31cm depth, 47cm height

Manufacturer : **AMRON**

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Pietermaritzburg  
3201

Distributor :

AMRON reserves the right to amend these specification in the interest of product improvement