

MOTOR GENERATOR TRAINER

Model Number : GOTT-MGM-0001



DESCRIPTION

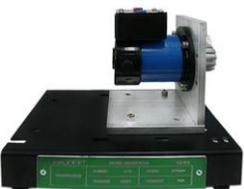
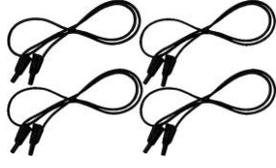
The Motor Generator System is an integrated system for in depth studies for Motor Generator theory and working principles. The system comes mounted on its own base plate with an upright control panel and the motor-generator combination is connected via a flexible coupling. The control panel comprises of voltmeter, ampere meter, and all wiring connections brought out to 4mm safety terminals. Connection leads with banana plugs facilitate quick and easy connections between the Motor-Generator System and other controls. The motor and generator can be setup independently, besides in conjunction with each other, for in depth studies on each individual unit. An Operation Manual and Experiment Manual is provided in English.

PRODUCT MODULES

ADJUSTABLE THREE PHASE	CODE 192-001	AC MEASUREMENT UNIT	CODE 192-002	DC MEASUREMENT UNIT	CODE 192-003	DC MOTOR CONTROL UNIT	CODE 192-004
Protection Fuse 2A x 3 units Pilot Lamps L1 , L2 & L3 Fault Current Circuit Breaker 3 Poles Output: 0...240VAC x 3 units 0...415VAC Input: AC 415V, 50Hz 3-Phase		Voltmeter range: 0...500VAC Ammeter range: 0...2A Input: AC 240V, 50Hz 1-Phase		Voltmeter range: 0...500VDC Ammeter range: 0...2A Output: 250VDC Input: AC 240V, 50Hz 1-Phase		Output: 0...240VDC Fixed 250VDC Input: AC 240V, 50Hz 1-Phase	
Rated voltage : 240VAC Emergency off button with pull-unlatching		Rated voltage : 240VAC Push Button x 2 units		Rated Voltage : 415VAC Rated Current : 10A Coil Voltage: 240VAC		Range: 0~500 W Accuracy: Class 1.5 Protection Fuse 1A	
RPM Range: 0...9999rpm Input: AC 240V		Protection Fuse 2A x 2 units Excitation Resistor: 0~1kΩ Armature Resistor: 0~100Ω		Incandescent Lamp x 3 units Input: AC 240V, 50Hz 1-Phase		Power: 300W Voltage: 415VAC Current: 1.17A Excitation Voltage 12VDC Excitation Current: 0.3A Speed: 1800rpm	

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<p>DC SEPERATELY EXCITED MACHINE</p> <p>CODE 159-002</p> <p>Power: 240W Voltage: 240VDC Current: 1.0A Excitation Voltage: 240VDC Excitation Current: 1.0A Speed: 1500rpm</p> 	<p>TACHO GENERATOR</p> <p>CODE 159-017</p> <p>Speed: 2000rpm Output: Max. 20VDC</p> 	<p>PULLEY AND RUBBER COUPLING</p> <p>CODE 431-000</p> 	<p>ROTATE SPEED SENSOR</p> <p>CODE 159-018</p> <p>Used with DC Motor Control Unit / Tachometer</p> 
<p>U-LINK</p> <p>CODE 159-019</p> <p>A unit which is wed to link the unit together</p> 	<p>SAFETY CONNECTING LEAD</p> <p>CODE 237-001</p> <p>4mm connecting leads</p> 	<p>VERTICAL FRAME</p> <p>CODE 380-000</p> <p>High Level : Din Standard A4 with two shelves Material: Aluminium Side Frame: T shape Size: 2-Layer 1450mm Length</p> 	<p>EXPERIMENT MANUAL</p> <p>CODE 192-009</p> 

EXPERIMENT TOPICS :

- Characteristic of DC Machine
- Speed Control of DC Machine
- Measurement of DC Generator
- DC Generator with Load
- Characteristic of Three Phase Machine
- Speed Control of Three Phase Machine
- Measurement of Three Phase Machine
- Parallel Operation of Motor Generation
- AC Meter Measurement on Three-phase Machine
- DC Meter Measurement on DC Shunt Wound Motor
- RPM Sensor Measurement
- Characteristic of Field Winding Connecting (DC Separated Excited Machine)
- Characteristic of Armature Winding (DC Separated Excited Machine)
- Characteristic of Tacho Generator
- Series – Shunt Connection of DC Separated Excited Machine

Manuals :

- (1) All manuals are written in English
- (2) Model Answer
- (3) Teaching Manuals

General Terms :

- (1) Accessories will be provided where applicable
- (2) Manuals & Training will be provided where applicable
- (3) Designs & Specifications are subject to change without notice
- (4) We reserve the right discontinue the manufacturing of any product

Warranty :

2 Years

ORDERING INFORMATION :

ITEM	MODEL NUMBER	CODE
MOTOR GENERATOR TRAINER	GOTT-MGM-0001	192-000

* Proposed design only, subject to changes without any notice.