

EXPERIMENTAL PANEL AC MACHINES

Model Number : GOTT-ACM-412

**DESCRIPTION**

The experimental panel system is used for the coherent teaching of the principal mechanical configuration and basic operating principles of the most important AC machines in teacher-oriented lessons and lectures to conduct the experimental groups.

PRODUCT MODULE

TACHOMETER	CODE 192-008	POWER FACTOR METER	CODE 190-009	Y-DELTA TIMER RELAY	CODE 159-016	PILOT LAMP	CODE 191-010
RPM Range: 0...9999rpm Input: AC 230V 		Range: 0.5 (Lag)...1...0.5 (Lead) 		Coil Voltage: 230VAC Contact: NO & NC Time : 0...60seconds 		Pilot Lamp x 6 units Input: 230VAC 	
THERMAL OVERLOAD RELAY	CODE 191-003	SIMULATE SWITCH BOARD	CODE 159-012	ELECTRICAL METER	CODE 588-038	THREE-PHASE CONTACTOR	CODE 159-014
Rated Voltage : 230VAC Rated Current : 2.8A-10A 		Rated voltage : 230VAC Push Button x 3 units 		Voltmeter range: 0...500VAC Ammeter range: 0...5A Input: AC 230V, 50Hz 1-Phase 2 unit 		Rated Voltage : 415VAC Rated Current : 10A Coil Voltage: 230VAC 3 Each 	
KILOWATT METER	CODE 412-001	ADJUSTABLE THREE PHASE	CODE 192-001	THREE PHASE SYNCHRONOUS GENERATOR	CODE 159-005	SINGLE PHASE SYNCHRONOUS GENERATOR	CODE 159-006
Range: 0 – 1000W 		Protection Fuse 2A x 3 units Pilot Lamps L1 , L2 & L3 Fault Current Circuit Breaker 3 Poles Output: 0...230VAC x 3 units 0...415VAC Input: AC 415V, 50Hz 3-Phase 		Power: 370W Voltage: 415VAC Current: 1.0A Excitation Voltage: 12VDC Excitation Current: 1.4A Speed: 1500rpm Connection: Y 		Power: 370W Voltage: 230VAC Current: 1A Speed: 1500rpm Excitation Voltage: 12VDC Excitation Current: 1.4A 	

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THREE PHASE SALIENT POLE MOTOR CODE 192-007 Power: 370W Voltage: 415VAC Current: 1.17A Speed: 1500rpm 	THREE PHASE SYNCHRONOUS MOTOR CODE 060-108 Rated power: 370W Rated voltage: 415VAC Rated current: 1.17 A Rated speed: 1500rpm 	WOUND ROTOR INDUCTION MOTOR CODE 190-024 Power: 370W Voltage: 415VAC Current: 1.17A Speed: 1400rpm Connection: Δ & Y 	PERMANENT SPLIT CAPACITOR MOTOR CODE 159-003 Power : 250W Voltage: 230VAC Current: 1A Frequency: 50HZ Speed: 1400rpm 
THREE PHASE INDUCTION MOTOR CODE 159-004 Power: 370W Voltage: 380/660VAC Current: 0.64/1.12A Speed: 1420/1720 RPM Connection: Δ & Y 	SINGLE PHASE SYNCHRONOUS MOTOR CODE 610-002 Power: 370W Voltage: 230VAC Current: 1.5A Speed: 1500rpm 	SINGLE PHASE CAPACITOR START INDUCTION MOTOR CODE 610-003 Power: 200W Voltage: 230VAC Current: 1.0A Speed: 1500rpm 	U-LINK CODE 159-019 For connecting junction point 
SAFETY CONNECTING LEAD CODE 237-001 4mm connecting leads 	VERTICAL FRAME CODE 297-000 High level : DIN standard A4 with two shelves Material: Aluminium Side Frame: T shape Size: 3-Layer 1450mm Length 	EXPERIMENT MANUAL CODE 456-017 	

EXPERIMENT TOPICS :

- Ac Meter Measurement On Three Phase Induction Motor
- Starting Control
- Self-Lock Control
- Second Connection For Connector
- Two Motor Run Interval Time
- The Working Principles Of Observe And Reverse Rotation Control Circuits Of Contactor Interconnects
- The Working Principles Of Kilowatt Meter
- Operation Of Three Phase Synchronous Generator
- Operation Of Single Phase Synchronous Generator
- Operation Of Three Phase Synchronous Motor And Permanent Split Capacitor Motor

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 to discontinue the manufacturing of any product.

Warranty:

2 Years

ORDERING INFORMATION :

ITEM	MODEL NUMBER	CODE
EXPERIMENTAL PANEL AC MACHINES	GOTT-ACM-412	412-000

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