



VERITAS Engineering

Catalog
Of

**DC Compound Motor Generator
Trainer**

Brand: VERITAS

Model: VCMGT-001

Technical Specifications

Control Board:

- Power: 1 ϕ AC 220V, 50 Hz
- DC Voltage Meter: 2 EA
- DC Ampere Meter: 4 EA
- Power Lamp: 1 EA
- MCCB: 4 EA
- Starter: 1 Set
- Excitation Power: 1 Set
- 100W Coil Formers VR: 1 EA
- 200W Coil Formers VR: 1 EA
- Digital Speed Meter: 1 Set
- Speed Detector: 1 EA
- DC Power Supply: 1 Set
- Style: Steel, Portable Type

Electric Machine:

- DC Compound Motor: 1 Set
- Voltage: DC 200V
- Output: 360Watt (1/2HP)
- Number of Pole: 2 Poles
- Excitation Type: Compound
- Rating Speed Counter: 1800rpm(1500rpm)
- Style: Semi-enclosed Type
- DC Compound Generator: 1 Set
- Voltage: DC 200V
- Output: 360Watt (1/2HP)
- Number of Pole: 2 Poles
- Excitation Type: Compound
- Rating Speed Counter: 1800rpm(1500rpm)
- Style: Semi-enclosed Type

Accessory:

- Experimental Manual: 1copy
- Connecting Cord: 1unit
- Load Resistor (360 Watt): 1Set





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Practical list

1. The construction of DC motor and winding resistance measurement.
2. Starting method of shunt motor and speed control.
3. Non-load characteristic experiment of shunt generator.
4. Load characteristic experiment of the shunt generator.
5. Load characteristic experiment of the compound generator.
6. Load characteristic experiment of shunt motor.
7. Load characteristic experiment of series motor.
8. Load characteristic experiment of compound motor.
9. Efficiency measurement of shunt motor by loss separation method.
10. Forward-and-reverse operation method of DC motor.