



VERITAS Engineering

Catalog
Of

Transparent Motor Generator
Training System

Brand: VERITAS

Model: VTMGT-9000

Features:

- ❖ Using 4 mm safety sockets and plugs
- ❖ Training panel uses 5 mm isolation Bakelite, printed component symbol, value and function, easy to connect
- ❖ Fully protected system safe to connect various kind of machines
- ❖ Full Transparent 6mm thickness
- ❖ Fiber/ acrylic body,

Technical Specification:

1. Transparent Universal Motor – Model: 9101

Rated voltage: 220V, ac/dc (+-5%),
Rated input Current: 1A, ac/dc (+-5%) ,
Armature current: 0.60Amp,
Rated speed: 10000 rpm (dc),
Rated power: 154w,
Dimension: 150mm x 150mm (Minimum),
Motor outside Shaft Length: 40mm



2. Transparent Single Phase Induction Motor– Model: 9102

Power: 450/300 W
Voltage: 220 V 50 Hz (*)
R.P.M.: 2850/1400 (*) (2/4 poles)
Form of construction: IM B3
Protection: IP 44
This unit includes thermal protector



3. Transparent Permanent Magnet DC Motor– Model: 9103

Power: 500 W,
Voltage: 230V
R.P.M: 2850 (*) (2 poles)
Form of construction: IM B3
Protection: IP 44
This unit includes thermal protector



4. Transparent Compound Wound Motor– Model: 9104

Power: 150/75 W
Voltage: 220 V
R.P.M.: 2900/700 (*) (2/8 poles)
Form of construction: IM B3
Protection: IP 44
This unit includes thermal protector



14. Digital Power Factor Meter – Model: 9005

Measurement Range: -0.50 to 1.00 to +0.50 (240V/5A) (Maximum)

Display: 3 ½ digits 14.2 mm

LED Accuracy: $\pm 1\% \pm 1$ digit

Resolution: 0.01V (Maximum)

Input Impedence: ≤ 0.1 Ohm

Power Source: 220 Vac, 50 Hz

Terminals: 4mm safety sockets



15. Digital ACA Meter – Model: 9001

Measurement Range : AC 0 to 10A (Maximum)

Display: 3 ½ digits 14.2 mm

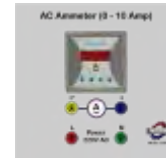
LED Accuracy: $\pm 0.3\% \pm 1$ digit

Resolution: 0.01A (Maximum)

Input Impedence: ≤ 0.1 Ohm

Power Source : 220 Vac, 50 Hz

Terminals: 4mm safety sockets



16. Digital DCA Meter – Model: 9002

Measurement Range : DC 0 to 10A (Maximum)

Display: 3 ½ digits 14.2 mm

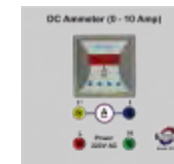
LED Accuracy: $\pm 0.3\% \pm 1$ digit

Resolution: 0.01A (Maximum)

Input Impedence: ≤ 0.1 Ohm

Power Source: 220 Vac, 50 Hz

Terminals: 4mm safety sockets



17. Digital ACV Meter – Model: 9003

Measurement Range: 0 ~ 600 Vac

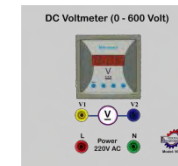
Display: 3 ½ digits 14.2 mm

LED Accuracy: $\pm 0.2\% \pm 1$ digit

Resolution: 1 V Input

Impedance: 1 M Ω Power Source: 220 Vac, 50/60 Hz

Terminals: 4 mm safety sockets



18. Digital DCV Meter – Model: 9004

Measurement Range: 0 ~ 600 Vdc

Display: 3 ½ digits 14.2 mm

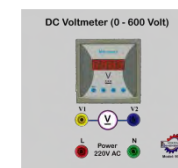
LED Accuracy: $\pm 0.2\% \pm 1$ digit

Resolution: 1 V

Input Impedance: 1 M Ω

Power Source: 220 Vac, 50/60 Hz

Terminals: 4 mm safety sockets



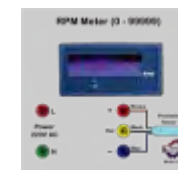
19. Digital RPM Meter – Model: 9006

Measurement Range: 0~ 99999 rpm

Display: 5 digits -Accuracy: $\pm 0.1\%$, ± 1 digit

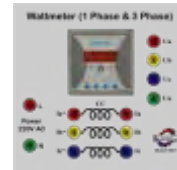
Power Source: 220Vac, 50/60 Hz

Terminals: 4mm safety sockets.



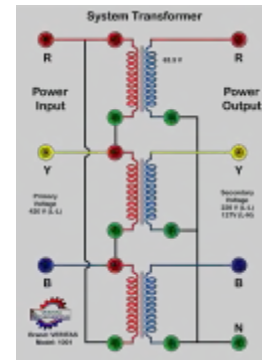
20. DIGITAL WATTMETER – Model: 9007

Power: single/Three Phase, 0~1 kw (240V/5A)
 Display: 4 ½ digits 14.2 mm LED.
 Accuracy: $\pm 0.2\%$, ± 1 digit
 Resulation: 1V
 Input Impedance: $\geq 1M\Omega$
 Power Source: 220Vac
 Terminals: 4mm safety sockets.



21. System Transformer – Model: 1001

Transformer:
 3 Phase (Δ -Y)
 Power Switch: Yes
 Output Indicator: 03 nos
 Rated Power: 1.5 KVA
 Primary: 3 Phase 420Vac
 Secondary: 3 Phase 230Vac
 Frequency: 50/60Hz



22. Experimental Frame – Model: FRM-01 & FRM-02



Accessories:

1. Module of Trainer : 21 Item
2. Frame : 1 Pcs
3. 4mm safety Jack : 1 set
4. User Manual: 1 Nos
5. Standard Accessories along with the goods.