



VERITAS Engineering

Catalog
Of

Electrical Wiring Trainer Board

Brand: VERITAS

Model: VEWT-102



Picture : Electrical Wiring Training Board

Specification:

Electrical Training System

- Provide available electrical components and interconnect in different configurations.
- Acquire the basic knowledge on electrical engineering, installations and electrical measurements.
- Study the means to check the main laws and principles.
- Component symbols and electrical diagrams are represented on the front panel.
- The symbols and electrical diagrams of each component are clearly represented on the front panel.
- The connections are eased by 4mm terminals and cables of different colors.
- The power supplies are included with extra low safety voltage.
- General switch, fuse and signaling lamp:
 - 1 Safety single-phase transformer 115-230V/6-12-24 VAC-1A
 - 2 Fuse-holder with fuse type 6x30-1A
 - 1 Moving iron ammeter with range 0.5-1A
 - 1 Moving iron voltmeter with range: 25 V
 - 10 Resistors of different values (2.4.8.16.31.5.63.250, 500, 1000. 2000)
 - 1 linear rheostat 100 /25W
 - 4 Diodes A-100V
 - 2 Lamp-holder with 24-V signaling lamp
 - 1 24-Vac buzzer
 - 1 Electrolytic capacitor, 100 μ F 25V dc
 - 2 Electrolytic capacitors, 500 μ F 25V dc
 - 2 Inductances 60 mh 0.5 A

Electrical Sequence Trainer

Hands-on electrical sequence practices using various electrical components with electric contact.

Simulates real life components and power source that is being used in the field

Ensures safety using insulated connection cables and insulated connection terminals

Experimental Contents:

- Basic circuit
- Logic circuit
- Self-holding circuit
- Timer circuit
- Priority circuit
- Detection circuit
- Lamp and alarm circuit
- Motor operational circuit
- Reactor-driving circuit
- Jog circuit
- Forward & reverse circuit
- Delay operation circuit
- Time activation circuit
- Y- Δ operational circuit

Earth leakage circuit breaker (ELCB): 1 ea

- Rated voltage: AC 220V 60HZ
- Rated current: 30A
- Rated residual current: 30mA

Electronic contactor (5a2b): 3 ea

- Contact capacity: AC 240V/ 15A/4.5k W
- Auxiliary contact capacity: AC 240V 3A

Electronic overload relay (EOCR, 1/2HP): 1 ea

- Internal CT (sensor): 3-CT (tunnel type)
- Current setting: 0.3-1.5A
- Trip time setting: 0-30 sec.
- Contact capacity: AC 230V 3A (Resistive load)

Relay (4C): 2ea

- Contact capacity: AC 220V 3A (Resistive load)

Timer (30 seconds): 1 ea

- Operational method: ON delay
- Output contact capacity: AC 220V 1.5A (Resistive load)

Flicker timer (6 seconds): 1 ea

- Operational method: ON Start
- Output contact capacity: AC 220V 2.5A (Resistive load)



3-phase induction motor: 1 ea

- Operating voltage: 3-phase AC 220V/380V/25W
- Type of motor: Squirrel cage rotor, 4-pole and Y-A Starting
- Rotary disc: Rotational speed detection type
- Electronic brake: Intensity control function
- Proximity sensor: 1 ea
- Digital counter: 1 ea
- DC power supply: 1 ea Output: DC 24V 1A (fuse)
- Lamp: 4 ea
- Buzzer: 1 ea
- Push button: 4 ea
- Toggle switch (alb): 2ea
- Fuse and fuse holder. 2 ea
- Supports angle adjustment: 1 ea

STANDARD ACCESSORIES:

- Power cord: 1 ea
- 40 insulated connection cable: 1 set
- User's guide & experimental manual: 1ea

Digital Multifunctional Meter

- Showing electrical wiring tips on the LCD screen
- User-defined backlight setting (10/20/30 sec.)
- $\pm 0.2\%$ precision
- Fast and accurate response rate
- Effective measurement of RMS values
- Indication of a measured data in the minimum, maximum and average values
- Earth resistance measurement in two points and three points
- Automatic Power OFF function
- Bluetooth communication
- Displays the connection of reed wires
- AUTO MANUAL range selection
- Initiation of calibration by pressing a key button
- ACV: 0.0-7500V True RMS
- DCV: 0.0-999.9V
- Insulation resistance ($M\Omega$):
 - DC 1000V: 0.00M Ω -9.99M Ω , 10.00M Ω -99.99M Ω , 100.0M Ω -1999M Ω
 - DC 500V: 0.00M Ω -9.99M Ω , 10.00M Ω -99.99M Ω , 100.0M Ω -999.9M Ω
 - DC 250V: 0.00M Ω -9.99M Ω , 10.00M Ω -99.99M Ω , 100.0M Ω -999.9M Ω
- Ground resistance (EAR Ω): 0-2000 Ω
- Ground voltage(EV): 0.0-750.0V AC, True RMS
- PHA: ACTION-750V LCD Display
- HOT: AC70V-750V Buzzer, LCD Display
- ACA: 0-9999A, True RMS
- For: 0.00 -9,99mA. True RMS
- Communication: Bluetooth 4.0



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Standard Accessories:

- User's guide manual
- 1.5V Alkaline AA battery – 5 ea
- Protective rubber cover (orange color)
- Carrying bag – 1 ea
- Test lead wire (red color, mega and 1.2m roll length) – 1 ea
- Test lead wire (black color, mega 2 and 1.2m roll length) – 1 ea
- Test probe (red color, 600V and CAT III)-1 ea
- Test probe (black color, 600V and CAT III)-1 ea
- Crocodile clip (black color, EN6 1010 and CAT III)-1 ea
- Test lead wire green color, KSC3325 and 1.2m roll length) – 1 ea
- Test lead wire (red color, 600V and 20m roll length) – 1 ea
- Test lead wire (yellow color, 600V and Him roll length) – 1 ea
- Test lead wire (green color, 600V and 5m roll length) – 1 ea
- Ground rod - 2ea