



VERITAS Engineering

Catalog
Of

Electrical Module Package for
Smart LAB



VERITAS Engineering

Brand: VERITAS

Model: VEST-2407



Picture: Electrical Module Package for Smart LAB



Technical Specification

1) DC Circuit

- Ohm's Law
- Kirchhoff's Law
- Series/parallel circuit
- Galvanometer
- Wheatstone Bridge

2) Measurement

- DC voltmeter
- DC ammeter
- Ohm meter
- V, A, R indicator

3) AC Circuit

- Capacitance circuit
- Inductance circuit
- RC/RL circuit
- LC resonance circuit (series/parallel)

4) Transformer

- Auto transformer
- Transformer load
- Transformer turn ratio
- Input voltage and output voltage

5) Semiconductor-1

- Characteristics of diode
- Zener diode
- NPN transistor
- PNP transistor

6) Semiconductor-2

- J-FET characteristics
- MOS-FET characteristics
- SCR characteristics
- TRIAC characteristics



7) Transistor amplifier

- Common emitter amplifier
- Complementary amplifier
- Darlington amplifier
- Amplifier Biasing

8) OP AMP

- Differential amplifier
- Non-inverting amplifier
- Inverting amplifier
- OP AMP offset

9) Active filter

- Band pass filter
- Low pass filter
- High pass filter

10) Regulated power supply

- Voltage regulator
- Bridge rectifier
- Variable V-regulator (OP AMP)
- Variable V-regulator (Transistor)

11) Oscillator

- Crystal oscillator
- Colpitts oscillator
- Hartley oscillator
- Wien bridge oscillator
- Phase shift oscillator

12) Pulse circuit

- Clipper circuit
- Schmitt trigger
- Bistable multivibrator
- Monostable multivibrator



13) Digital logic

- Diode logic
- AND gate (CMOS)
- OR/XOR gate (CMOS)
- Inverter (CMOS)

14) Sequential logic

- JK flip-flop (TTL)
- RS flip-flop (TTL)
- Counter (TTL)
- Shift register (TTL)

15) Combination logic

- Decoder (TTL)
- Encoder (TTL)
- Half adder/Full adder (TTL)
- Multiplexer/De-multiplexer (CMOS)

16) Signal converter

- A/D converter
- D/A converter
- F/V converter
- V/F converter

ACCESSORIES

- Power cord : 1ea
- User manual: 1ea
- USB cable: 1ea
- Touch pen: 1ea
- Breadboard Module: 1ea
- Dust cover: 1ea
- 2mm plug test cable: 1set
- BNC-2mm plug cable: 3ea
- Test cable for multimeter: 1se