Product Code: 03

Product Name: Electricity Module Package for Smart Lab

Brand: ZerOne
Model: ZT-24083
Origin: China(Assembly by BD)

(Sample Picture)

| **Basic Electricity Package**
1) RLC circuit Ohm's law , Kirchhoff's law , Superposition theorem , Norton's theorem , Thevenin's theorem , AC/DC voltage measurement , AC/DC current measurement , AC/DC power measurement , AC circuit (RC/RL/RLC) , DC circuit (RC) and transient phenomenon , Series-parallel combination logic
2) Electromagnet Basic principles of electromagnet , Characteristic of magnetic field , Characteristics of magnetic system , Switch and relay practices using a magnet
3) Electromagnetic field Principles of electromagnetic field Lenz Law , Faraday Law , Strength of the magnetic field ,Drawing magnetic lines
4) Characteristics of magnetic field , Electromagnetism Ampere's Law , Direction of magnetic field , Flow of current
5) Fleming's Law Motor and generator , Fleming's Law
6) Characteristics of coil
☐ Magnetic induction
☐ Mutual induction
☐ Magnetic flux detection | 7) Basic semiconductor circuit Characteristics of Diode and Zener diode , Rectifier circuit , Filter circuit , FET/SCR/UJT characteristics , Principles of LED
8) Basic electrical circuit Amplifier , Multistage amplifier , Cascade amplifier , Constant voltage circuit , Relay and touch control switch
9) Electroacoustic amplifier circuit Push-pull amplifier , Whetstone bridge , Sound control circuit
10) Characteristics of electrical elements CDS characteristics , Light control switch , Principles of thermistor , Temperature control circuit
11) Oscillator circuit Blocking generator , Electronic bird sound generator , Astable multi vibrator, LC resonant circuit , LED flashing circuit
Warranty: 1 (One) year with services |

[N.B: Product specifications are not fixed, product specifications may be changed as per brand models and others things.]