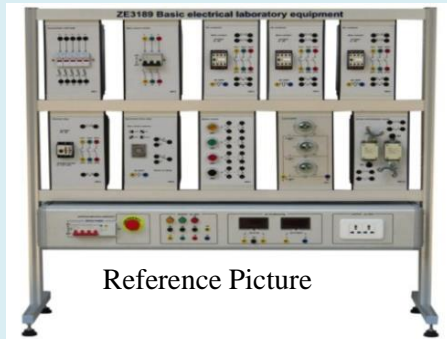


Basic Electrical Laboratory Equipment

LT-3189

Country of origin China Assembled in BD



Reference Picture

Feature:

Basic Electrical Circuit Lab is ideal for electrical, mechanical, automotive, science, civil & electronics engineering learning. All the necessary equipment for electric circuit experiments such as power supply, function generator; analog and digital meters are installed on the main unit for the requirement of experiment. The whole essential topics of electrical circuit learning are studied by different modules.

SPECIFICATIONS:

1. DC POWER SUPPLY

(1) Fixed DC power supply: a. Voltage range: $\pm 5V$, $\pm 12V$ b. Max. Current output: 0.3A c. With output over-load protection

(2) Dual DC power supply:

a. Voltage range : $\pm 3V \sim \pm 18V$, continuously adjustable, b. Max. Current output: 1A, c. With output over-load protection

2. AC POWER SUPPLY

a. Voltage range: $9V \sim 0V \sim 9V$, b. Max. Current output: 500 m A, c. With output over-load protection

3. SINGAL GENERATOR

(1) Pulse generator: (TTL level)

a. Frequency range: $1Hz \sim 10KHz$ / 4 settings, continuously adjustable, b. Fan out: 10 TTL load

(2) Pulse switches:

a. 2 independent output, TTL level, b. With Q, \bar{Q} output, pulse width $> 5ms$, c. Fan out: 10 TTL load

(3) Data switches

a. 8 sets independent control output, TTL level with De-bounce circuit. Fan out: 10 TTL load

4. FUNCTION GENERATOR

Output frequency: $10 \sim 100KHz$ /4 settings, continuously adjustable

(3) Output amplitude: 18Vpp (open circuit) 9Vpp (50 Ω load)

5. TESTING AND DISPLAY

(1) 3 1/2 digital voltmeter/ammeter

a. DC voltage range: 2V, 200V, b. DC voltage accuracy: $\pm (0.3\% \text{ of reading} + 1 \text{ digit})$, c. DC current range: 200

(2) Galvanometer

a. Current range 50mA, b. Accuracy Class 2.5, (3) LED indicator

a. 10 sets independent LED indicates high, low logic state, b. Input impedance: $\geq 100K\Omega$

(4) Digital display

a. 2 sets independent 7-segment LED,

b. With BCD-7segment decoder/driver and DP Input c.

Input with 8-4-2-1 code

Breadboard: 1680 tie-point breadboard on top panel can be easily put into and taken off

Accessories:

Experiment manual, connection leads, connection plugs, breadboard

List of Module:

a. Basic Device Module. Basic Electricity Experiment

Module. Sensor Module(1), d. Sensor Module(2)

e. Diode, Clipper and Clamper Module

f. Rectifier, Differentiator Integrator Circuit Module

g. Transistor Amplifier Circuit Module

h. Multi-Stage Amplifier Circuit Module

i. FET Circuit Experiment Module

j. OP Amplifier Circuit Module 1, 2, 3, 4, 5

k. Combination Logic Circuit Experiment Module 1, 2, 3, 4, 5

l. Sequential Logic Circuit Experiment Module 1, 2

j. Load Unit Module