

Product Name :

Function Generator Trainer & Lab Training Kit for Vocational Training and Didactic Labs

Product Code :

CON-013-NE



Description :

Equipment for Education, Engineering and Vocational Training - Function Generator Trainer & Lab Training Kit - The "Function Generator Trainer " is a versatile training kit for Electrical and Electronics Laboratories. It is designed to explain the fundamentals of Signal Generation. A Function Generator is a product that can produce various patterns of Voltage at a variety of Frequencies and Amplitudes. This Function Generator Trainer allows students to produce the different waveforms and to understand the concept of their generation.

Features :

- A low cost trainer demonstrating all basic concepts of Function Generator
- Exclusive presentation and easy illustration of each block
- Designed considering all safety standards
- Low sine wave distortion
- Low variation with temperature
- Fault creation and troubleshooting
- Onboard Frequency range display
- Provided with elaborated operating manual

Technical Specifications :

Frequency Ranges : Selectable

1 Hz to 10 Hz

10 Hz to 100 Hz

100 Hz to 1 KHz

1 KHz to 10 KHz

10 KHz to 100 KHz

Sine Wave Generation : By Wave Shaping Circuit

Switched Faults : 4 Nos.

Fuse : 350 mA, slow blow

Power Supply : Max 230VAC, 50 Hz $\pm 10\%$

List of Experiments :

Study of Electrical Waveforms generated by Function Generator.

Study of Triangular Waveform Generation.

Study of Sinusoidal Waveform Generation.

Study of Square Waveform Generation.

Study of Duty Cycle of Square Waveform.

Study of TTL Waveform Generation.

To create and identify different faults in the circuit and study their troubleshooting methods.

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