



OMEGA TYPE ETB-261 The function generator is a versatile training kit for an electrical and electronics Laboratory. It is designed to explain the basic fundamentals of signal generation. A function generator is a device 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:

- 01 A low cost Trainer demonstrating all basic concepts of Function Generator.
- 02 Exclusive presentation and Easy illustration of each block.
- 03 Designed with considering all safety standards.
- 04 Variable Duty Cycle.
- 05 Fault identification feature enabled.
- 06 LED based Frequency Range indicator.

OBJECTS:

- 01 Study of Different function and operating voltages of Function Generator.
- 02 Study of Triangular Wave Generation.
- 03 Study of sinusoidal wave Generation.
- 04 Study of Square wave Generation.

- 05 Study of Duty cycle of Square wave.
- 06 Study of TTL waveform Generation.
- 07 Study of switched faults create and identify different Faults in the circuit and study the troubleshooting methods.

TECHNICAL SPECIFICATIONS:

- 01 **Frequencies Ranges** : Selectable
 - 2.1 1Hz to 10Hz
 - 2.2 10Hz to 100Hz
 - 2.3 100Hz to 1KHz
 - 2.4 1KHz to 10KHz
 - 2.5 10KHz to 100KHz
- 02 **Sine wave Generation** : By wave
 - Square wave Generator** : shaping
 - Triangular wave Generator** : Circuit.
- 03 **Duty Cycle** : On Board Adjustment.
- 04 **Switched Faults** : 4 Nos.
- 05 **Fuse** : 350mA.
- 06 **Power Supply** : 230V ± 10%, 50Hz.
- 07 **Weight** : 3.800 Kg Approx.
- 08 **Dimension (mm)** : W415xH165xD315.

LIST OF ACCESSORIES:

- 01 Patch cord 2mm length 50cm. Red.....03
- 02 Patch cord 2mm length 50cm. Black.....03

We are committed to the continuous development of our products, and therefore reserve the right to amend specifications without prior notice.

OMEGA ELECTRONICS