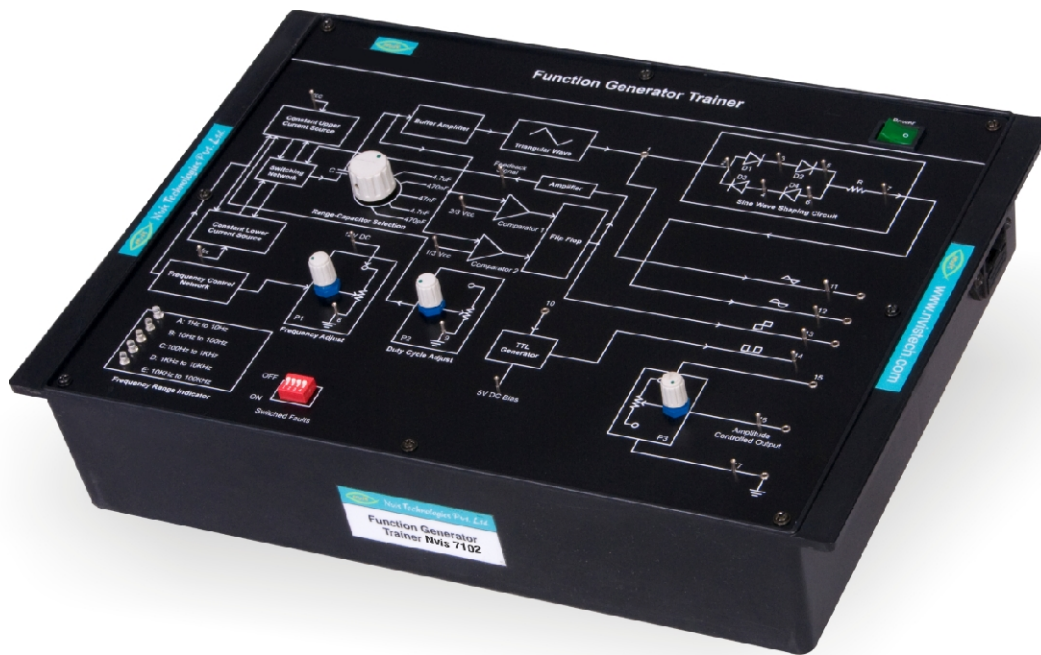




# Function Generator Trainer

Nvis 7102



**Nvis 7102 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
- Online product tutorial

## Scope of Learning

- 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 Amplitude control
- Study of TTL Waveform Generation
- To create and identify different faults in the circuit and study their troubleshooting methods

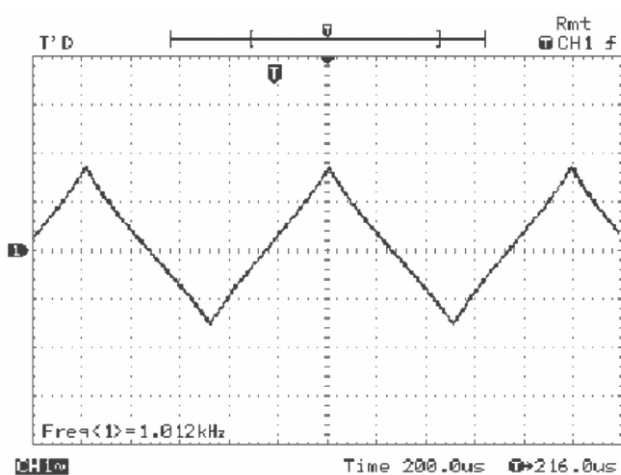


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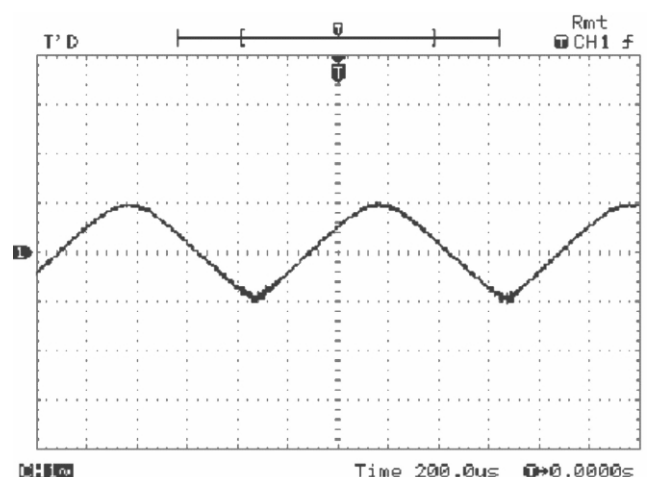
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## Technical Specifications

<b>Frequency Ranges</b>	: Selectable, 1Hz to 10Hz 10 Hz to 100Hz 100Hz to 1kHz 1kHz to 10kHz 10kHz to 100kHz
<b>Sine Wave Generation</b>	: By Wave Shaping Circuit
<b>Switched Faults</b>	: 04 Nos.
<b>Fuse</b>	: 350mA
<b>Mains Supply</b>	: 90-275V, 50Hz
<b>Dimensions (mm)</b>	: W 36 x D 260 x H 120
<b>Weight</b>	: 2kg (approximate)
<b>Optional</b>	
Oscilloscope 'Caddo 801'	
Multimeter 'Caddo 50/51'	



Triangular Waveform



Signal under the Wave shaping process