



**Frequency Counter Trainer**, is an exclusive and attractively designed product to demonstrate the fundamental principle and functioning of Frequency Counter. It includes various circuits namely, attenuator circuit, wave shaping circuit, frequency divider circuit, display driver circuit, and gate time circuit. All these circuits are incorporated on a single board for study and verification.

Simple representation of all the circuits can explain corresponding functionality in a very easy way to perceive the logics.

- ◆ Exclusive and Compact design
- ◆ Stand alone operation
- ◆ Inbuilt +5V, -12V SMPS
- ◆ Diagrammatic representation of Frequency Counter circuit
- ◆ Low cost
- ◆ e-Manual

#### Scope of Learning

- ◆ Study of Frequency Counter
- ◆ Study of Attenuator Circuit
- ◆ Study of Wave Shaping Circuit
- ◆ Study of Frequency Divider Circuit
- ◆ Study of Frequency Counter and Display Driver Circuit
- ◆ Study of Gate Time Circuit
- ◆ Study of Sensitivity of Frequency Counter

#### Technical Specifications

<b>Frequency Range</b>	: 20 Hz - 30 MHz
<b>Resolution</b>	: 10 Hz (60 KHz Range) 10 KHz (30 MHz Range)
<b>Sensitivity</b>	: 0.5 Volts
<b>Accuracy</b>	: $\pm(0.5\% + 1D)$ of rdg
<b>Attenuation</b>	: 1 : 1, 1 : 20
<b>Input Coupling</b>	: AC
<b>Input Impedance</b>	: 1 M
<b>Max. Input Voltage</b>	: 200 V (DC + AC Peak)
<b>Display</b>	: 4 digits, 7 Segment LED Display

Note: Specifications are subject to change.

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