

Product Name :

Frequency Counter Trainer & Lab Training Kit for Vocational Training and Didactic Labs

Product Code :

CON-014-NE

**Description :**

Equipment for Education, Engineering and Vocational Training - Frequency Counter Trainer & Lab Training Kit - 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

Technical Specifications

Frequency Range : 20 Hz - 30 MHz

Resolution :

10 Hz (60 KHz Range)

10 KHz (30 MHz Range)

Sensitivity : 0.5 Volts

Accuracy : $\pm (0.5\% + 1D)$ of rdg

Attenuation : 1 : 1, 1 : 20

Input Coupling : AC

Input Impedance : 1 MW

Max. Input Voltage : 200 V (DC + AC Peak)

Display : 4 digits, 7 Segment LED Display

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

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