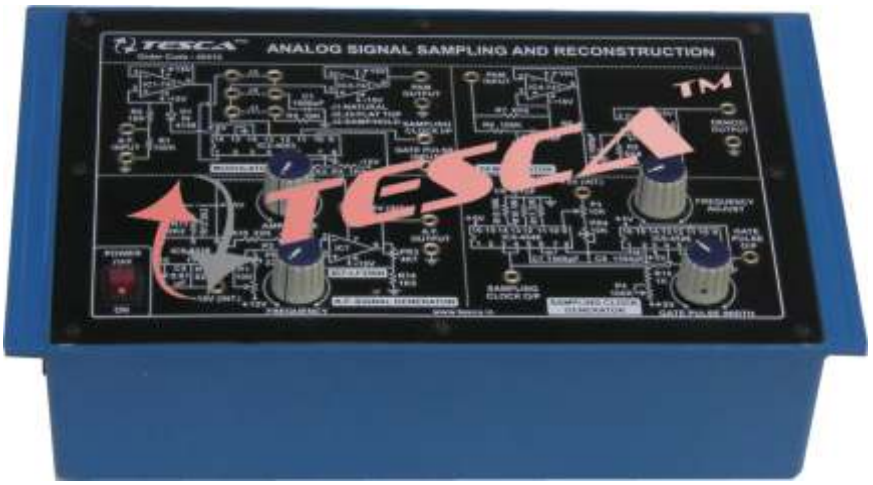
Order Code - 40513
Analog Signal Sampling and Reconstruction

Experimental Training Board has been designed specifically to study of Sampling Theorem using Pulse Amplitude Modulation and Demodulation. The training board is complete in all respect except C.R.O.

Practical experience on this set up carries great educative value for Science and Engineering Students**.**



Object:
To study Sampling Theorem using Pulse Amplitude Modulation and Demodulation.
01. To generate PAM signal by modulating with audio signal by natural sampling.
02. To generate PAM signal by modulating with audio signal by Flat-Top sampling.
03. To generate PAM signal by modulating with audio signal by Sample / Hold circuit.
04. To demodulate using Low Pass Filter to reconstruct input(sine wave).

Features:
The board consists of following built in parts :
01. ±15V D.C. at 100mA, IC Regulated Power Supply.
02. +5V D.C. at 100mA, IC Regulated Power Supply.
03. A.F. signal generator for modulating signal.
04. Sampling clock generator to provide sampling clock and gate pulse.
05. Modulator circuit for Flat-top natural and S/H circuit.
06. Demodulator circuit to reconstruct input (sinewave).
07. Mains ON/OFF switch, Fuse and Jewel light.
    * Adequate no. of patch cords stackable 4mm spring loaded plug length ½ metre.
    * Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections/observation of waveforms.
    * Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.

Other Apparatus Required:
* Dual Scope Cathode Ray Oscilloscope 20MHz.

Note: Specifications are subject to change.

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