Experimental Training Board has been designed specifically for the study of OP-AMP Cooperator.

Practical experience on this board carries great educative value for Science and Engineering Students.

Object:

01. Study of OP-AMP Cooperator and its Characteristics :
    (a) Non-Inverting Cooperator.
    (b) Inverting Cooperator.
    (c) Fast Precision Voltage Comparator.
    (d) Comparator for signals of opposite polarity.
    (e) Single ended comparator with Hysteresis and clamped feedback.
    (f) Comparator for A.C. Coupled signals.
02. Applications of Comparator :
    (a) Zero Crossing Detector.
    (b) Schmit Trigger.
    (c) Voltage Limiter.

Features:

The board consists of the following built-in parts :

01. ±15V D.C. at 50mA, IC Regulated Power Supply.
02. +5V DC at 50mA, IC Regulated Power Supply.
03. 0-5V D.C. at 100mA, continuously variable Power Supply.
04. Two OP-AMP ICs 741.
05. Linear Potentiometer and adequate no. of other electronic components.
06. Mains ON/OFF switch, Fuse and Jewel light.

* The unit is operative on 230V ±10% at 50Hz A.C. Mains.
* Adequate no. of patch cords stackable from rear both ends 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:

* Sine-Square Wave Generator
* Digital Multimeter 3¾ Digit
* Cathode Ray Oscilloscope 20MHz

Note: Specifications are subject to change.

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