Experimental Training Board has been designed specifically for the study of Operational Amplifier (mA 741) . This training Board gives students an idea of Analogue Computation.

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

Object:

To study the following applications of Operational Amplifier (mA 741) :

1. Study of OP-AMP 741 as Integrator and Summing Amplifier.
2. Study of OP-AMP 741 as Differentiator.
3. Study of OP-AMP 741 as Scalar and Summer.
4. Study of OP-AMP 741 as Oscillator.
5. Study of OP-AMP 741 as Differential Input Amplifier.
6. Study of OP-AMP 741 as Voltage Follower.

Features:

The board consists of the following built-in parts :

1. ±12V DC at 50mA, IC regulated Power Supply internally connected.
2. OP-AMP IC 741.
3. Dual Potentiometer.
4. Adequate no. of other electronic components.
5. 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:

* IC Regulated Power Supply
* Decade Audio Frequency Generator
* Sine Square Wave Generator
* Cathode Ray Oscilloscope 20MHz

Note: Specifications are subject to change.

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