



Experimental Training Board has been designed specifically for the study of Operational Amplifier (μ A 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 (μ A 741) :

01. Study of OP-AMP 741 as Integrator and Summing Amplifier.
02. Study of OP-AMP 741 as Differentiator.
03. Study of OP-AMP 741 as Scalar and Summer.
04. Study of OP-AMP 741 as Oscillator.
05. Study of OP-AMP 741 as Differential Input Amplifier.
06. Study of OP-AMP 741 as Voltage Follower.

Features:

The board consists of the following built-in parts :

01. ± 12 V DC at 50mA, IC regulated Power Supply internally connected.
 02. OP-AMP IC 741.
 03. Dual Potentiometer.
 04. Adequate no. of other electronic components.
 05. Mains ON/OFF switch, Fuse and Jewel light.
- * The unit is operative on 230V $\pm 10\%$ at 50Hz A.C. Mains.
 - * Adequate no. of patch cords stackable from rear both ends 4mm spring loaded plug length $\frac{1}{2}$ 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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