



Experimental Training Board has been designed specifically for the study of electrical parameters of OP-AMP IC 741. Circuit designers and R & D labs will also benefit from this educative training board.

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

Object:

To measure the following parameters on OP-AMP IC 741 :

01. Measurement of quiescent supply current of OP-AMP.
02. To null the offset voltage of an OP-AMP.
03. To measure open loop voltage gain under closed loop condition.
04. To measure output resistance.
05. To measure differential input resistance.
06. To measure unity gain bandwidth.
07. To measure the rated output.
08. To measure the slewing rate.
09. To measure the full power response.
10. To measure the input offset voltage.
11. To measure the input bias currents and offset current.
12. To measure the common mode rejection ratio (CMRR).
13. To measure the common mode input resistance.

Features:

The board consists of the following built-in parts:

01. $\pm 12V$ D.C. at 100mA, IC regulated Power Supply.
 02. OP-AMP IC-741.
 03. DPM 20 V.
 04. DPM 20 mA.
 05. Adequate no. of other electronic components.
 06. Mains ON/OFF switch and Fuse.
- * The unit is operative on 230V $\pm 10\%$ at 50Hz A.C. Mains.
 - * Adequate no. of patch cords stackable from rear both ends 2mm 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:

- * Decade Audio Frequency Generator
- * A.C. Millivoltmeter
- * Cathode Ray Oscilloscope 20MHz

Note: Specifications are subject to change.

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