

Product Code:

AL-E391

CATALOGUE

#118, Karanpuri, Behind B.D.Floor, Ambala Cantt, Haryana (India),

OPERATIONAL AMPLIFIER TRAINER (OPT) ADVANCED

OPERATIONAL AMPLIFIER (OP-AMP) TRAINER

- Operational Amplifier as Inverting.
- Operational Amplifier as Non – Inverting.
- Operational amplifier as an ac non inverting & inverting amplifier
- Operational Amplifier as Adder(Summing Amplifier)
- Operational amplifier as scaling and averaging amplifier.
- Operational Amplifier as Sub-tractor (differential Amplifier)
- Operational Amplifier as Triangular to Square wave convertor (differentiator)
- Operational Amplifier as Square to Triangular wave convertor (integrator).
- Operational amplifier as low pass and high pass filter & implementation of Band pass active filter also.
- Operational Amplifier as Sine Wave / Wien Bridge Oscillator.
- Operational Amplifier as Sine to Square Wave convertor(Schmitt trigger)
- Operational Amplifier as Voltage comparator
- Operational amplifier as Schmitt trigger & zero crossing detector.
- Operational Amplifier as Logarithmic Amplifier.
- Salient Features:
- Nos. of op-amp circuits can be built in linear integrated lab.
- The regulated power supplies are used.
- Supplied with 3 additional regulated power supplies for applications.
- All sockets are 2mm with sufficient nos. of patch cords.

Technical Specification:

- The Instrument comprises of the Following built in Parts:-
- Two continuously variable DC regulated power supplies of $\pm 1.5V-10V$ Dc,
- Two Controls Switches mounted on the panel or a Digital panel voltmeter in place of switches.
- 2 fixed voltage DC Regulated power supplies $\pm 15V$ is on Board for internal op-amp biasing.
- One fixed voltage DC Regulated power supplies $\pm 12V$ is on Board.
- One fixed voltage DC Regulated power supplies $+12V$ and $+5V$ is on Board.
- Six Numbers Variable Resistor (Potentiometer) having different values are mounted on the board.

- One Bread Board is mounted on the Panel Board.
- One 16 Pins ZIF Socket is mounted on the panel.
- N number of Resistances and Capacitors are on board for the required operations to be performed.
- 4 Diode 1N4007, 2 LED and 1 number of Zener Diode having value of 6.2V and 5.1V are mounted on the board.
- Two numbers of 741 Operational Amplifiers are mounted on the board.
- One NE555 IC is mounted on the panel.
- One LM331 IC is mounted on the board.
- Two Triggering Pulsar are mounted on the Panel.
- NPN Transistor and IRF540 Mosfet are mounted on the panel.
- Operated on 230V, 50Hz power supply $\pm 10\%$

Packing list

- Instruction manual
- Power supply mains 3 pin cord
- Patch cords

PHOTOGRAPH:

