

Product Code:

AL-E083

## CATALOGUE

#2557/4/Bengali Mohalla, Ambala Cantt, Haryana (India),

### ANALOG LAB TRAINER (ALT)

**ANALOGLAB** is intended for elementary as well as advance training of analog electronics. The trainer covers regular analog circuits by solderless interconnections on breadboard and as well as compatible with all optional modules, through use of 2mm brass terminals and patch cords. Various DC regulated power supplies, Function Generator, DMM, Continuity Tester etc are in-built. The unit housed in attractive enclosure is supplied with mains cord, patch cords, Instruction manual and **Component Set**.



Experiments :

- Study of Diodes in DC circuits
- Study of Light Emitting Diodes in DC Circuits
- Study of Half wave rectifier
- Study of Full wave rectifier
- Study of Zener Diode as a voltage regulator
- Study of transistor series voltage regulator
- Study of transistor shunt voltage regulator
- Study of Low pass filter
- Study of High pass filter.
- Study of band pass filter
- Study of CE configuration of NPN transistor
- Study of CB configuration of NPN transistor
- Study of CE amplifier
- Study of Monostable multivibrator using transistor
- Study of Bistable multivibrator using transistor
- Study of Astable multivibrator using transistor
- Study of CB Amplifier (PNP)
- Study of CC Amplifier (PNP)
- Transistor Audio Amplifier
- Two Stage R.C. Coupled Transistor
- Inverting Amplifier
- Non-inverting Amplifier
- Integrating Amplifier for A.C input Signal
- Differentiator Amplifier
- Square Wave Generator

**Technical Description:**

- Two Digital Meter one is Voltmeter for 20V and Other is Ammeter for 200mA.
- AC Power Sources 15-0-15 VAC and 9-0-9 VAC at 650mA.
- DC Regulated Power Sources Fixed  $\pm 12V$  and  $\pm 5V$  at 650mA.
- DC Regulated Power Supplies 0-15V and 0-30V at 250mA
- Power supply Trainer equipped with 3 pin fused power inlet with 3 pin computer compatible power cord.
- One low frequency speaker is mounted on the board.
- Two SPDT Switched mounted on the board.
- One Mono Pulse Circuit is provided on board.
- 2 Nos. bread board provided with module box easily demountable and mountable. Bread board with size 170mmX62mm , 850 test points
- Continuity tester for circuit connectivity.
- Function Generator 0 to 100 KHz is provided on board with sine, square and triangle.
- 3 Nos. Potentiometer mounted on the board For general applications, 1K, 10K, 100K with 1W
- One Sine Wave Oscillator is Provided on board with 1KHz and 2KHz Frequency Switch selectable.
- Connections made up with 2mm brass pins.
- Trainer supplied with 10 pairs of red and black 2mm patch cords.
- Supplied with easy guidelines and full function instruction manual

**Accessories :** Mains cord, Operating and Experimental manual, Red & Black patch cords (2mm with Pin) 10 each, Red & Black patch cord (Pin to Pin) 10 each. Wire 24/25 SWG. 1Meter each 5 Colour Instruction manual : Strongly supported by detailed operating instructions.