

**Product Name :**  
Discrete Component Trainer

**Product Code :**  
NLAB-EDUSCHOOLEQ197010

**Description :**

Discrete Component Trainer

**Technical Specification :**

SCOPE OF LEARNING:

Study and Construction of Various Analog Electronics Lab Experiment

TECHNICAL SPECIFICATIONS:

Power Supplies:

DC Power Supply IC Regulated +5V,  $\pm 12V$  @ 500mA.

DC Power Supply IC Regulated 0 to 15V @ 250mA

DC Power Supply IC Regulated 0 to 30V @ 250mA

AC Power Supply 15-0-15VAC, 250mA

Operated On Mains Power 230v, 50hz +10%

Digital Meters:

Voltmeter 20VDC.

Ammeter 200mA DC.

Components are mounted on Board

4 Variable Resistors are given on Board.

3 Pairs of connected 2mm sockets

4 Rectifier diodes

1 OA79 germanium diode  
3 different values of Zener  
N different values resistances  
N different values capacitors  
Inductors 1mh, 10mh  
1 DIAC DB33  
1 SCR TYN604  
1 TRIAC BT136  
1 MOSFET IRF540  
1 UJT 2N2646  
1 JFET BFW11  
SL100 and SK100 pair  
BC547 and BC557 1nos.  
1 LDR  
1 Thermistor  
2 LED's  
1 Relay 12V  
One Speaker 8E 1/4W  
1 Audio Transformer  
20 Pin Zif Socket

**SALIENT FEATURES:**

Front Panel Built With High Class Insulated Printed Circuit Board Sheet With Well Printed Circuits And Symbols.

Fuse For Short Circuit Protection

Instruction Manual.

Connections are brought out through 2mm Brass Sockets.

Patch Cords 2mm with Bread Board Pin (20Nos).

The trainer is housed in ABS Plastic cabinet.

Size of the trainer set 12"x10"

OPTIONAL ACCESSORIES:

Function Generator

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## Naugralabequipments

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