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Product Name :	**Product Code :**
Trainer board to study Switch Mode Power Supply	EC111

Description :

Trainer board to study Switch Mode Power Supply

Technical Specification :

Trainer board to study Switch mode power supply
SMPS trainer Kit (For Computer)

Specification:
Experimental Training Board has been designed specifically for the study of Switching Mode Power Supply (SMPS) for computer. Now a days Switching Mode Power Supplies are extensively used in various electronic instruments and computers.
Practical experience on this board carries great educative value for Science and Engineering Students.

Experiments:
To study of primary rectifier and filter section of SMPS
To study of Switching Transformer and its working
To study the working of opto coupler in SMPS
To study the regulator working in SMPS
To study the Line regulation of SMPS using Variac
To introduce the switch faults in different sections of SMPS and its effect.

Object:
To study the different sections of SMPS.
To locate typical components and Input/Output signals.

To measure the voltages at test points and Input/Output signals.
To study the circuit in detail.
To create faults by removing components and observe their effect.

Specifications:
Based on IC 494 as PWM.
Input Voltage : 170V to 260VAC. 50Hz.
Output Voltage : 5V, -5V, 12V, -12V, Power good signal voltage/as required in computers. Wattage (I/P) : 150 Watt

Features:
IC 494 used as PWM on socket.
Six pairs of Output Lead are provided.
Trainer assembled on enlarged PCB.
Fan cooling facility provided.
Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections/ observation of waveforms.
Other Apparatus Required:
Digital Multimeter 3½ digits
Cathode Ray Oscilloscope, 15MHz
Varic 8Amp
Accessories:
FAN 12V, 0.14A, brushless.

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