

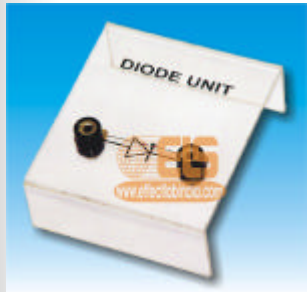


Semi Conductor Units

Mini motor unit (ELP.112.125)

with Subminiature d.C. motor mounted on base as described, with plastic trolley for attachment of cotton thread in mass lifting experiments. Maximum Safe input 2 volt at 200 mAmp.

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Diode unit (ELP.112.126)

With Silicon Diode mounted on base as described above.



P.N. Junction Diode (ELP.112.127)

With P.N. junction diode mounted on base as described above.



Zener diode unit (ELP.112.128)

with zener diode mounted on base as described above



Photo voltaic cell unit (ELP.112.129)

with photo voltaic cell mounted on base as described above.



Cadmium sulphide resistor's unit (ELP.112.130)

With photo sensitive resistor mounted on base as described. Resistance inversely proportional to light intensity.

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Solar cell unit (ELP.112.131)

For use with mini motor unit. Silicon photoelectric cell mounted on base as described above.



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Field Effect transistor unit (ELP.112.132)

With Field Effect transistor mounted on base as described.



NPN Transistor unit (ELP.112.133)

with transistor mounted on base as described



PNP Transistor unit (ELP.112.134)

with transistor mounted on base as described



Photo Transistor unit (ELP.112.135)

with photo transistor mounted on base as described



Triode Valve on base (ELP.112.136)

For investigations into the behavior of triode valves, showing ionization and excitation potentials in different gases. Comprises a box 90 x 90 x 35 mm on the top of which are mounted an octal and 87G valve holder. Connections for heater, cathode grid and anode are provided and are brought out to colour coded 4 mm sockets.



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Diode Valve on base (ELP.112.137)

For experiments of diode characteristics, comprises a double diode valve type EB91 (6ALS) or equivalent. The valve is housed in a



standard box 90 x 90x 35 mm provided with 4 mm sockets and screen printed panel diagram for identification of the valve electrodes.

Heater voltage 6.3 volt maximum (to operate diode under saturated condition the heater voltage should be limited to 1.5 V approx.)

Anode voltage 150 V maximum.

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AND Gate Verification (ELP.112.205)

Training Module to verify Two input AND Gate With Printed Circuit Diagram and Truth Table.



NAND Gate Verification (ELP.112.206)

Training Module to verify Two input NAND Gate With Printed Circuit Diagram and Truth Table.



NOR Gate Verification (ELP.112.207)

Training Module to verify Two input NOR Gate With Printed Circuit Diagram and Truth Table.



OR Gate Verification (ELP.112.208)

Training Module to verify OR input OR Gate With Printed Circuit Diagram and Truth Table.



EXOR Gate Verification (ELP.112.209)

Training Module to verify Two input EXOR Gate With Printed Circuit Diagram and Truth Table.

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INVERTER Verification (ELP.112.210)

Training Module to verify Single input INVERTER With Printed Circuit Diagram and Truth Table.

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Resistor Verification (ELP.112.211)

Training Module to verify Resistor With Printed Circuit Diagram.



Reed Switch Verification (ELP.112.212)

Training Module to verify Reed switch With Printed Circuit Diagram.

