



CDB-701



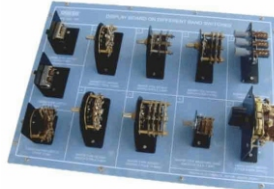
CDB-702



CDB-703



CDB-704



CDB-705



CDB-706

OMEGA TYPE CDB-700 Series Electronic Component Display Boards have been designed specifically to study different types of Resistors, Potentiometers, Capacitors, Switches, Band switches, Diodes, Transistors, Semi-conductor devices, Cables, Connectors, Relays, Transformers and Different IC's.

Practical experience on this board carries great educative value for Science and Engineering Students. OMEGA TYPE CDB-700 series consists of the following :FEATURES

- 01 Board Size 300 X 400mm, using bakelite sheet for better safety, rigidness and contrast.
- 02 Symbolic representation of Components.
- 03 Actual components mounted right across the place.
- 04 Board fixed on wooden frame.
- 05 Individual working without direct teacher supervision.
- 06 Stimulates independent student activity.

**01 STUDY OF DIFFERENT RESISTORS & COLOUR CODING OMEGA TYPE CDB-701**

Carbon Resistors 1/4, 1/2, 1 & 2 Watt of different tolerances, Metal Film Resistors 1/4, Watt, High Precision, Wire Wound Resistors of different types with complete theory description. Total 20 Resistors.

**02 STUDY OF DIFFERENT POTENTIOMETERS OMEGA TYPE CDB-702**

Vertical Preset, Horizontal preset, Carbon linear, Carbon log, Carbon ganged (Dual) Multi-turn Horizontal Trimpot, Vertical Trimpot, Cermet, Sliding and wire wound pot with complete theory, description. Total 10 pots.

**03 STUDY OF DIFFERENT CAPACITORS & COLOUR CODING OMEGA TYPE CDB-703**

Plastic film capacitors : Polyester Capacitor, Polystyrene Capacitor, Polycarbonate Capacitor., Ceramic Capacitors : Tubular Capacitor, Pin-Up Capacitor, Flat-Filil Capacitor, Disc Capacitor., Variable Capacitors : PVC Gang Capacitor, Button Trimmer, Mica Trimmer, Wire Trimmer., Electrolytic Capacitors : Dry Type Radial Capacitor, Dry Type Axial Capacitor, Tantalum Radial Capacitor, Tantalum Axial Capacitor, Non-Polar Capacitor, Wet Type aluminium Capacitor., Varactor Diode. with theory and description. Total 16 Capacitors.

**04 STUDY OF DIFFERENT SWITCHES OMEGA TYPE CDB-704**

PUSH to 'ON', PUSH to 'OFF', Slide, Key Board, DIP Switch, Leaf Switch, SPST Toggle, Miniature DPDT Toggle, Rocker and Rotary Thumb wheel with complete theory and description. Total 13 Switches.

**05 STUDY OF DIFFERENT BAND SWITCHES OMEGA TYPE CDB-705**

1 Pole 11 Way, 2 Pole 5 Way, 4 Pole 3 Way for Radio etc. 1 Pole 11 Way Miniature and 2 Pole 5 Way Miniature, 6 Pole 3 Way for Transistors Mega type Band switches with complete Theory and description. Total 7 Band Switches.

**06 STUDY OF DIFFERENT DIODES OMEGA TYPE CDB-706**

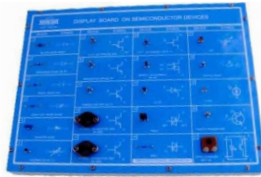
Silicon detector, Silicon rectifier, Bridge rectifier, Germanium diode, Hot Carrier diode, Power diode, Varactor diode, Photo diode, Trigger Diode and Zener diode with complete theory and description. Total 10 diodes.

We are committed to the continuous development of our products, and therefore reserve the right to amend specifications without prior notice.

**OMEGA ELECTRONICS**



CDB-707



CDB-708



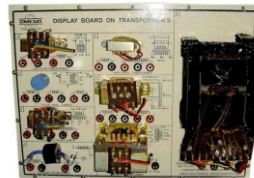
CDB-709



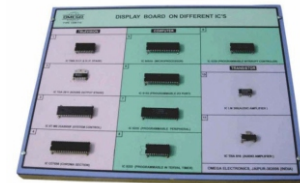
CDB-710



CDB-711



CDB-712



CDB-713

**07 STUDY OF DIFFERENT TRANSISTORS  
OMEGATYPE CDB-707**

A small signal, IF/RF Amplifier, High speed switching Power, General purpose, All above are PNP & NPN both type, Matched pair, Darlington Pair, High Voltage, Photo transistor, UJT, FET and MOSFET. Total 19 transistors.

**08 STUDY OF SEMICONDUCTOR DEVICES  
AND HOW TO TEST THEM**

OMEGATYPE CDB-708  
Silicon Diode, Germanium Diode, Zener Diode, Varactor Diode, Varistor, Thermistor, U.J.T., Transistor NPN & PNP, Power Transistor NPN & PNP, JFET, MOSFET, SCR, TRIAC, LED, Photo Diode, LDR, Photo Transistor and Opto Coupler with Theory and testing procedure. Total 20 devices.

**09 STUDY OF DIFFERENT WIRES & CABLE  
OMEGATYPE CDB - 709**

Study of Bare Copper, Cotton Cover, Enamelled Copper, PVC Insulation, Multiwire Flexible, Electrical Wire and Flat Cable, Transmission Cable, Wave Guide Rectangular and Single Fibre Cable.

**10 STUDY OF DIFFERENT CONNECTORS  
OMEGATYPE CDB - 710**

To study Eye let, Test pin, Insulated post, IC bases, Relay socket, Vacuum tube socket solder type, PCB terminal, One peice edge connector, Two peice connector, Rack and panel connector, Plug & receptacle connector, Cylindrical connector and Tape cable connector.

**11 DISPLAY BOARD ON DIFFERENT TYPE  
RELAY OMEGATYPE CDB - 711**

Plug in Relay 12 V 2C / O, 12 V 3C / O, 24 V 2C / O, 24 V 3C / O.

General Purpose Relay 18 V 1C / O, 18 V 2C / O, 24 V 1C / O, 24 V 2C / O.

General Purpose Relay 12 V 2C / O, 12 V 3C / O, PCB Mount Relay 6 V 1C / O, 18V1C/O, 24 V 1C / O,

PCB Mount Relay 12V1C/O, Special Relay 18V 2C/O, Read Relay Dip 5 V 1N / O, 24 V 1N / O, 5 V 2N / O, Power Relay 24 V DC 1C / O

**12 DISPLAY BOARD ON DIFFERENT  
TRANSFORMER OMEGA TYPE CDB - 712**

Isolation Transformer, Pulse Transformer, Voltage Transformer.

Current Transformer, Impedance Transformer, Auto Transformer, Power Transformer, Constant Voltage Transformer.

**13 DISPLAY BOARD ON DIFFERENT IC's  
OMEGATYPE CDB - 713.**

IC CD 7680 VIF & SIF stage, TC TDA 2611A sound output stage. IC STMB 78237VM / 23A9950F System control, IC TA 7698 Chroma section. IC 8085A Microprocessor, IC 8155A Programmable I/O Ports & Timer. IC 8255A Programmable peripheral Interface, IC 8253 Programmable interval timer. IC 8259A Programmable interrupt controller, IC LM 380 Audio Amplifier, IC TBA810 Audio Amplifier

14 Weight : 3 to 10 Kg. (Approx.)

15 Dimension : W 400 x H 100 x D 300

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