

**MULTIMETER**  
OMEGA TYPE ETB-19



**OMEGA TYPE ETB-19** has been designed for the study of the Multimeter. A milliammeter of the moving coil type is used to measure the voltage, current and value of resistance i.e. used as a voltmeter, ammeter and ohmmeter respectively.

Practical experience on these boards carries great educative value for Science and Engineering Students.

**OBJECT**

Use of a milliammeter as Voltmeter, Ammeter and Ohmmeter with use in following ranges :

- 01 As Voltmeter : 1 to 1000 V DC also 100 Volts AC.
- 02 As Ammeter : 1mA to 1A.
- 03 As ohmmeter : 0 to 100 K ohm.

**FEATURES**

The board consists of the following built-in parts :

- 01 Ammeter of 1mA basic movement for measurement.
- 02 Bridge rectifier.
- 03 Power Supply of 1.5 Volt.
- 04 Potentiometer for adjustment.
- 05 Adequate no. of other electronic components.
- 06 Adequate no. of patch cords stackable from rear both ends 4mm spring loaded plug length 50cm.
- 07 Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections / observation of waveforms.
- 08 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.
- 09 Weight : 3 Kg. (Approx.)
- 10 Dimension : W 340 x H 125 x D 210

**OTHER APPARATUS REQUIRED:**

- 01 Power Supply 300V at 100mA OMEGA TYPE ICV-300/01
- 02 AF Generator OMEGA TYPE AO-300
- 03 Decade Resistance Box OMEGA TYPE DRBC-115L
- 04 Single Phase Variac Input 0-230V Output 0-270V at 2Amp
- 05 DMM OMEGA TYPE DMM-201

**AUDIO AMPLIFIER (CE)**  
OMEGA TYPE ETB-20



**OMEGA TYPE ETB-20** Experimental Training Board has been designed specifically for the study of voltage gain, frequency response, input impedance, output impedance, current gain, Power gain of a Common Emitter (CE) Transistor Audio Amplifier.

**OBJECT**

Study of Transistor Audio Amplifier (CE) :

- 01 To measure the Voltage Gain.
- 02 To plot the Frequency Response characteristics.
- 03 To find out the Input Impedance.
- 04 To find out the Output Impedance.
- 05 To find out the Current Gain.
- 06 To find out the Power Gain.

**FEATURES**

The board consists of the following built-in parts :

- 01 -9V D.C. at 50mA, IC regulated Power Supply internally connected.
- 02 PNP transistor.
- 03 Adequate no. of other electronic components.
- 04 Mains ON/OFF switch, Fuse and Jewel light.
- 05 The unit is operative on 230V  $\pm$  10% at 50Hz A.C. Mains.
- 06 Adequate no. of patch cords stackable from rear both ends 4mm spring loaded plug length 50cm.
- 07 Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections / observation of waveforms.
- 08 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.
- 09 Weight : 2.00 Kg. (Approx.)
- 10 Dimension : W 340 x H 125 x D 210

**OTHER APPARATUS REQUIRED:**

- 01 AF Generator OMEGA TYPE AO-300
- 02 Decade Resistance Box OMEGA TYPE DRBC-115D
- 03 Dual trace CRO 20MHz OMEGA TYPE CRO-20

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

**OMEGA ELECTRONICS**

**Works:**  
28E & F, Malviya Industrial Area,  
Jaipur-302 017 (INDIA)  
Phone: 0141-2751559

E-mail : info@omegaelectronics.net  
: omegajipur62@gmail.com

**Marketing Division:**  
B-28, Fateh Singh Scheme, Opp. Rajputana  
Palace Sheraton, Jaipur-302006 (INDIA)  
Phone : 091-141-2375647, 2379223

[www.omegaelectronics.net](http://www.omegaelectronics.net)