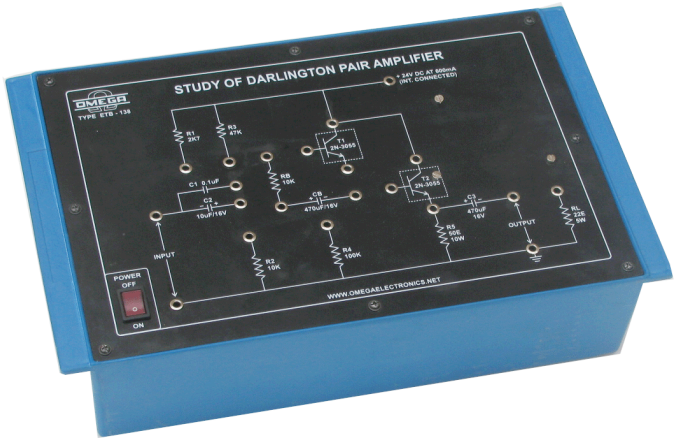
OMEGA®

A SIGN OF QUALITY PRODUCT

STUDY OF DARLINGTON PAIR AMPLIFIER
OMEGA TYPE ETB-138



OMEGA TYPE ETB-138 Experimental Training Board has been designed specifically for the study of Darlington Pair Amplifier.

Practical experience on this board carries great educative value for Science and Engineering Students.

OBJECT

01 To experimentally calculate and compare the following circuits :
   (i) Emitter Follower Circuit
   (ii) Darlington pair Amplifier for the following parameters :
   (a) Input Impedance
   (b) Output Impedance
   (c) Current gain
   (d) Voltage gain

02 To understand the technique of Boot-Strapping and experimentally demonstrate its effect on input impedance of Darlington Pair Amplifier.

FEATURES

The board consists of the following built-in parts :

01 +24V D.C. at 600mA, IC regulated Power Supply internally connected.
02 Transistors, fitted on adequate heat sinks.
03 Adequate no. of other electronic components.
04 Mains ON/OFF switch, Fuse and Jewel light.
05 The unit is operative on 230VAC ±10% at 50Hz.
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 : 3.00 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-115C
03 Digital AC Voltmeter
04 Dual trace CRO 20MHz OMEGA TYPE CRO-20

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