

**PHASE SPLITTER (VALVE VERSION)**

OMEGA TYPE ETB-36

**OMEGA TYPE ETB-36** Experimental Training Board has been designed specifically for the study of the Phase Splitter.

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

**OBJECT**

Study of Phase Splitter:

01 To draw the cathode degenerative amplifier characteristics from  $E_a - I_a$  curve of the tube and to determine the component values, cathode voltage swing, plate voltage swing, maximum allowable in put peak, power output and distortion.

02 To verify the values with experimental set-up.

03 To measure output and input impedances.

**FEATURES**

The board consists of the following built-in parts :

01 A valve with base fixed on panel and wired internally.

02 Two potentiometers.

03 Adequate no. of other electronic components.

04 Adequate no. of patch cords stackable from rear both ends 4mm spring loaded plug length 50cm.

05 Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections/ observation of waveforms.

06 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.

07 Weight : 2 Kg. (Approx.)

08 Dimension : W 340 x H 125 x D 210

**OTHER APPARATUS REQUIRED :**

01 V.T.V.M. OMEGA TYPE VTV-10

02 Power Supply 300V at 100mA  
OMEGA TYPE ICV-300/01

03 AF Generator OMEGA TYPE AO-300

04 Decade Resistance Box  
OMEGA TYPE DRBC-115L

05 Dual trace CRO 20MHz  
OMEGA TYPE CRO-20

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**OBJECT**

Study of Phase Splitter :

01 To see the phase split property of the set-up.

02 To find the Input Impedance.

03 To find the Output Impedance.

04 To draw over load characteristics.

**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 Potentiometer.

04 Adequate no. of other electronic components.

05 Mains ON/OFF switch, Fuse and Jewel light.

06 The unit is operative on 230VAC  $\pm 10\%$  at 50Hz.

07 Adequate no. of patch cords stackable from rear both ends 4mm spring loaded plug length 50cm.

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09 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.

10 Weight : 2 Kg. (Approx.)

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**OTHER APPARATUS REQUIRED**

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02 V.T.V.M. OMEGA TYPE VTV-10

03 Decade Resistance Box  
OMEGA TYPE DRBC-115C

04 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**