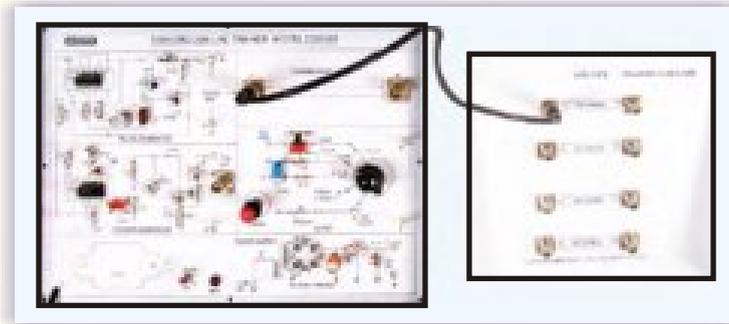




TRANSMISSION LINE TRAINER

MODEL - TRL100

This trainer has been designed with a view to provide practical and experimental knowledge of Characteristics of Transmission Lines on a SINGLE P.C.B.



SPECIFICATIONS

(I) Transmission Line:	
Characteristics:	1. Frequency and BWDF
Length:	1.0 meters
No. of Sections:	1 Pair
(II) Function Generator (Transmitter):	
Wave Amplitude:	1.0 volts
Frequency:	1.0KHz, 10KHz and 100KHz range @ 50% duty
External trigger:	Available
(III) Loads:	
Resistive, variable from 0 to 100 Ω including open circuit	
RC type, time constant 0.1 μ s	
RC type, time constant 1 μ s	
RL type, time constant 0.1 μ s	
External load of user choice	
(IV) Accessories:	1. I Manual 2. Cable

EXPERIMENTS

1. To visualize propagation in transmission line
2. To demonstrate the effects of losses in the line, attenuation and dispersion.
3. To demonstrate terminations and characteristic impedance in a line
4. To demonstrate standing waves and partial reflection
5. To study complete circuit of Transmission Line

In keeping view of SIGMA policy of continuous development and improvement, the Specifications may be changed without prior notice or obligation.

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Dealer:-