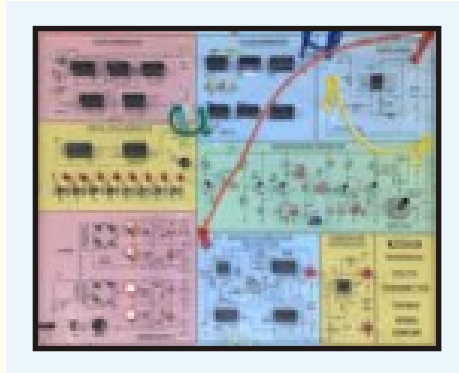




BASE BAND DIGITAL TRANSMITTER TRAINER MODEL - BBTX100

This trainer has been designed with a view to provide practical & experimental knowledge of Baseband digital transmitter on a SINGLE P.C.B.



SPECIFICATIONS

1. Power supply requirement : 230V AC, 50 Hz.
2. Built in IC based power supply.
2. On Board Digital Data generator to generate any binary word of
Word Length : 8 Bits.
Word Clock Frequency : 10 KHz .
3. Baseband data Format : NRZ
4. Gaussian Noise : 0 to 2V rms variable amplitude.
5. Matched Filter : Integrate and Dump Filter
6. Decision Threshold : Comparator
7. Standard Accessories : 1. Experimental and Circuit Description Manual.
2. Connecting Patch cords. (6 Nos.)

EXPERIMENTS

1. To study theory of Baseband Transmission .
2. To generate NRZ signal using pulse generator.
3. To generate Gaussian and add it to baseband signal.
4. To detect baseband signal in the presence of Noise using Integrate and Dump filter and comparator.
5. To measure Signal to Noise Ratio of Baseband signal using Selective level meter or Spectrum analyser.

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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