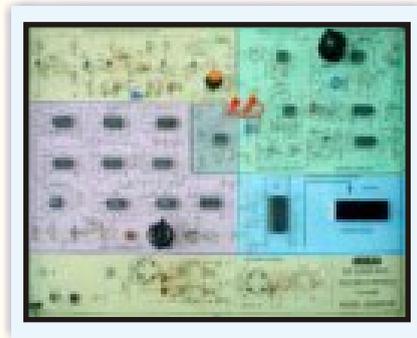




MEASUREMENT OF CODING GAIN

MODEL - CODE100

This trainer has been designed with a view to provide practical/experimental knowledge of Coding Gain Measurement.



SPECIFICATIONS

1. Power supply requirement : 230V AC, 50 Hz.
2. On Board PN sequence Data generator
Data Length : 16 Bits.
Bit Clock Frequency : 30 KHz
Data Format : NRZ.
Time Frame/Bit Burst : 10000 Bits, 100 Bits and Continuous selectable by Switch.
3. Gaussian Noise : 0 to 1V rms variable amplitude.
4. Adder to add PN signal and Gaussian Noise.
5. Matched Filter : Integrate and Dump Filter
6. Decision Threshold : Comparator and EX-OR circuit.
7. Error Count Display : Seven Segment 4 digit
8. All parts are soldered on single PCB with complete circuit diagram screen printed in multicolor.
9. Standard Accessories :
 1. A Training Manual.
 2. Connecting Patch cords.

EXPERIMENTS

1. To study theory of Coding Gain.
2. To draw E_b/N_0 graphs for coded and non coded system and calculate coding gain.

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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