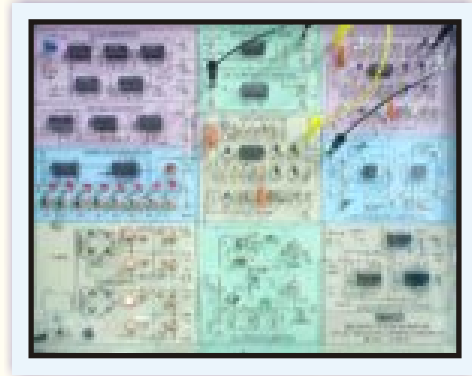




SPREADING SEQUENCES TRAINER

MODEL - DSSS100

This trainer has been designed with a view to provide practical / experimental knowledge of Spreading Sequences.



SPECIFICATIONS

1. Power supply requirement : 230V AC, 50 Hz.
2. On Board Pseudo-Noise (PN) Code generator.
Bits : 16 bits
Clock Frequency : 100 KHz
3. On Board Digital Data generator to generate any binary input word of
Word Length : 8 Bits.
Bit Clock Frequency : 6.666 KHz
Data Format : NRZ.
4. Spreading Code Mixer and Unipolar to Bipolar Converter section.
5. Modulator Type : Coherent Binary PSK Modulator
6. Demodulator Type : Coherent Detector.
Low pass Filter cutoff Frequency : 105 KHz
Code Despreading : Using EX-NOR gate.
7. Books for Mobile Communication : 10 Nos in pdf Format
8. Mp4 Video Class for Mobile Communication : 40 Classes in Mp4 on DVD / Pen Drive
9. Standard Accessories : 1. A Training Manual.
2. Connecting Patch cords.

EXPERIMENTS

1. To study theory of Direct Sequence Spread Spectrum Modulation & Demodulation.
2. To generate and receive DS-SS modulated signal.
3. To observe effect of different PN codes on DSSS Out put.
4. To observe spectrum of DSSS Signal on spectrum analyzer.

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:-