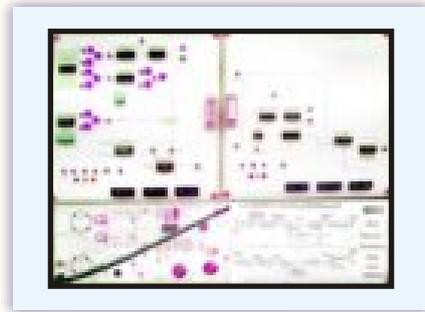




# FREQUENCY HOPING SPREAD SPECTRUM MODULATION TRAINER

## MODEL - FHSS100

This trainer has been designed with a view to provide practical / experimental knowledge of Frequency hopping Spread Spectrum Modulation/Demodulation technique as practically implemented in Digital Communication systems.



### SPECIFICATIONS

1. Power supply requirement : 230V AC, 50 Hz.
2. Built in IC based power supply.
3. On Board Pseudo-Noise Random Sequence (P.R.B.S.) code generator.
4. On Board Modulating Digital Data signal generator to generate any binary input word with Bit Clock & Word clock.  
Word Length : 8 Bits.  
Bit Clock Frequency : 8 KHz to 12 KHz.  
Data Format : NRZ.
5. Built-in Sinusoidal Carrier signal generator.
6. Modulator Type  
FH Modulator : M-ray F.S.K modulator
7. Demodulator Type  
FH Demodulator : Non-Coherent M-ary Detector.
8. Standard Accessories :  
1. A Training Manual.  
2. Connecting Patch cords.

### EXPERIMENTS

1. To study theory of Frequency Hopping Spread Spectrum Modulation & Demodulation. (FH-SS)
2. To generate FH-SS modulated signal.
3. To demodulate FH-SS modulated signal.

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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