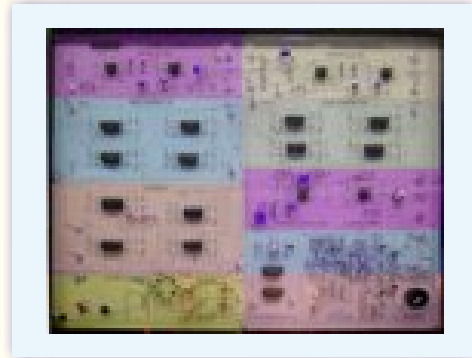




SPREADING & DISPREADING USING ADDITIVE WHITE GAUSSIAN NOISE GENERATOR & FREQUENCY OFFSET

MODEL - COM1023

This trainer has been designed with a view to provide practical / experimental knowledge of Spreading & Dispreading using additive white Gaussian Noise Generator & Frequency Offset.



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 Dispreading : Using EX-NOR gate.
7. All parts are soldered on single pin TAGS on single PCB with complete circuit diagram Screen-printed.
8. Standard Accessories : 1. A Training Manual.
2. Connecting Patch cords.

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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