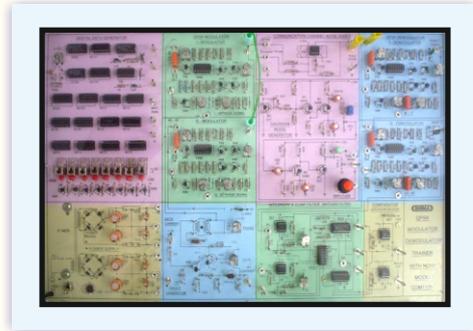




ORTHOGONAL FREQUENCY DIVISION MULTIPLEXING TRAINER MODEL- OFDM100

This trainer has been designed with a view to provide practical and experimental knowledge of OFDM on SINGLE P.C.B.



SPECIFICATIONS

1. Power supply requirement : 230V AC, 50 Hz.
2. On Board Modulating Digital Data signal generator to generate any binary input word with Bit clock & Word clock.
Word Length : 8 Bits.
Word Clock Frequency : 10 KHz
Data Format : NRZ, Even Bits I and Odd bits Q signals.
3. On Board synchronized RF Carrier : 1.28 MHz - Sine & Cosine.
4. Modulator Type : Using two Balanced Modulators with two PSK and adder
5. Demodulator Type : Balanced Modulator detectors.
6. Decision Threshold : Comparator
7. Standard Accessories : 1. A Training Manual.
2. Connecting Patch cords.

EXPERIMENTS

1. To study theory of OFDM Modulation & Demodulation.
2. To generate OFDM signal.
3. To demodulate OFDM signal using balanced modulators.
4. To observe OFDM modulated output for different input binary inputs.
5. To observe OFDM Phasor diagrams on CRO for different binary inputs.

Sigma Trainers and Kits
E-113, Jai Ambe Nagar,
Near Udgam School,
Thaltej,
AHMEDABAD - 380054.
INDIA.

Phone(O): +91-79-26852427/ 26850829
Phone(F): +91-79-26767512/ 26767648
Fax : +91-79-26840290/ 26840290
Mobile : +91-9824001168
Email : sales@sigmatrainers.com
Web : www.sigmatrainers.com

Dealer:-