



DIFFERENTIAL PHASE SHIFT KEYING MODULATION/DEMODULATION TRAINER MODEL - DPSK100

This trainer has been designed with a view to provide practical / experimental knowledge of DPSK Modulation/Demodulation technique as practically implemented in Digital Communication systems on a single PCB.



SPECIFICATIONS

1. Power supply requirement : 230V AC, 50 Hz.
2. Built in IC based power supply.
3. 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 : 8 to 12 KHz.
Data Format : NRZ, DNRZ, Bipolar DNRZ
4. Modulator Type : Balanced Modulator with encoder as Phase modulator.
5. Demodulator Type : Balanced Modulator with decoder as Phase detector.
6. All parts are soldered on single PCB with complete circuit diagram Screen-printed in multicolor
7. Standard Accessories :
 1. A Training Manual
 2. Connecting Patch cords.

EXPERIMENTS

1. To study theory of DPSK Modulation & Demodulation.
2. To generate DPSK signal
3. To demodulate DPSK signal using balanced modulators.

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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