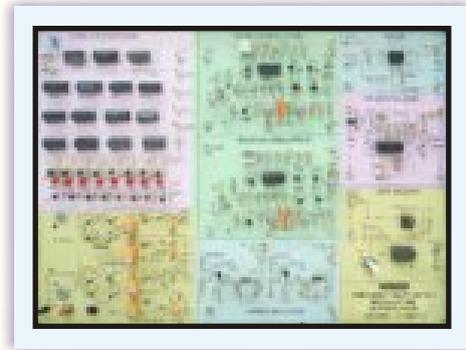




GENERATION & RECEPTION OF FSK

MODEL - COM115L

This trainer has been designed with a view to provide practical/experimental knowledge of FSK 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.
Word Length : 50% Duty cycle Square NRZ Pulse.
4. FSK frequencies : 640KHz for 1 level
320KHz for 0 level
5. Modulator Type : Using Two ASK
6. Demodulator Type : PLL
7. All parts are soldered on single PCB with multicolor Section wise blocks and complete circuit diagram Screen-printed with true value fo part. The PCB provided with multi-colour 2mm Testing points and acrylic Cover for safety in wooden box.
8. Standard Accessories : 1. A Training Manual and Connecting Patch cords.

EXPERIMENTS

1. To study theory of FSK Modulation & Demodulation.
2. To generate FSK signal using ASK.
3. To demodulate using PLL FM detector.
4. To observe spectrum of FSK signal on Spectrum analyser.

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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