



GAUSSIAN MINIMUM SHIFT KEYING (GMSK) MODULATION & DEMODULATION TRAINER

MODEL - GMSK100

This trainer has been designed with a view to provide practical/experimental knowledge of Gaussian Minimum shift keying Trainer (GMSK) 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 binary inputs.
Data Format : NRZ & $\overline{\text{NRZ}}$.
4. On Board synchronized RF carrier signal generators.
Frequencies : 120 KHz, 200 KHz
5. Modulator Type : Using Balance modulator
6. Built-in Gaussian Noise Generation and Matched Filter
7. Demodulator Type : Using P.L.L. detector and Data Squarer
8. All parts are soldered on single PCB with complete circuit diagram screen-printed.
9. **Books for Mobile Communication : 10 Nos in pdf Format**
10. **Mp4 Video Class for Mobile Communication : 40 Classes in Mp4 on Pen Drive**
11. Standard Accessories : A Training Manual
Connecting Patch cords.

EXPERIMENTS

1. To generate GMSK signal and demodulate it by PLL detector

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Dealer:-