



# MOBILE PHONE TRAINER

MODEL - MOBILE100

This trainer has been designed with a view to provide practical and experimental knowledge of a Cellular Phone.



## SPECIFICATIONS

1. Power supply requirement : 230V AC, 50 Hz for charging phone battery with adaptor
2. Battery : Ni-Cd battery.
3. Technology : GSM
4. Display : Three lines.
5. Phone Memory : 100 Nos.
6. Answered Call memory : 5 Nos.
7. Last dialed call memory : 10 Nos.
8. Battery charging Time : 2 Hrs.
9. Facilities : STD and ISD facility, Caller line identification
10. SIM card : Pre-paid-Recharging/renewal has to be done by customer.
11. Test Points : 28 Nos.
12. Faults : 14 Nos.
13. All components are soldered on Single PCB with complete circuit diagram Screen-printed.
- 14. Books for Mobile Communication : 10 Nos in pdf Format**
- 15. Mp4 Video Class for Mobile Communication : 40 Classes in Mp4 on Pen Drive**
16. Standard Accessories : 1. A Training Manual

## EXPERIMENTS

1. To study and measure frequency band
2. To study and measure the GMSK signals such as Tx I/Q,RxI/Q.
3. To study and observe the system CLK.
4. Observation of Audio signal
5. To study and measure the power supply.
6. Study of charging phenomena with fault insertion.
7. Study and measure PWM signal of UI circuit such as Vibrator, LED, Buzzer.
8. Measurement of LCD with fault insertion.
9. Keypad study with fault insertion
10. Observe study with fault insertion.
11. Observe and measure the SIM card CLK with fault insertion.

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