



# 3G MOBILE TRAINER

MODEL - 3GMOBILE100

This trainer has been designed with a view to provide practical and experimental knowledge of a Mobile working on 3G mobile communication.



## SPECIFICATIONS

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|---|---|
| 1. Network  | 2G Network GSM 850 / 900 / 1800 / 1900<br>3G Network UMTS 850 / 2100 UMTS 850 / 1900  |
| 2. Display  | TFT, 16M colors   |
| 3. Display Size                                     | 240 x 320 pixels, 2.0 inches  |
| 4. Sound  | Alert types, Vibration; Downloadable polyphonic, MP3 ring tones<br>Speaker phone Yes  |
| 5. Memory   | 2000 entries  |
| 6. Call records                                     | 20 dialed, 20 received, 20 missed calls   |
| 7. Internal   | 24 MB Card slot microSD, up to 8GB (verified), Hotswap  |
| 8. Data   | GPRS Class 32, EDGE Class 32, 3G 384 kbps, Bluetooth V2.0   |
| USB   | V2.0 microUSB   |
| 9. Camera   | VGA Video call Camera   |
| 10. Features  | Messaging SMS, MMS 1.2, Email, Push Email, IM   |
| Radio   | Stereo FM radio; Visual radio   |
| 11. Player  | MP3/MP4/AAC/AAC+/eAAC+ player   |
| 12. Battery   | Standard battery, Li-Ion 1000 mAh (BL-4U)   |
| 13. SIM card  | Pre-paid with Local service provider for Rs. 500/- airtime only.<br>Recharging/renewal has to be done by customer afterwards. |
| 14. Test Points                                     | 16 Nos  |
| 15. Faults  | 16 No.  |
| <b>16. Books for Mobile Communication</b>           | <b>: 10 Nos in pdf Format</b>   |
| <b>17. Mp4 Video Class for Mobile Communication</b> | <b>: 40 Classes in Mp4 on DVD / Pen Drive</b>   |
| 18. Standard Accessories                            | 1. A Training Manual  |

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**Dealer:-**

## EXPERIMENTS

1. Introduction and general theory of Mobile Phone
2. To Study Specifications of a Cellular Phone
3. To Study Installation procedure
4. To Study the Block Diagram and Working principal
5. To Study the terms, definition and nomenclature used
6. To Study Input/output signals of different sections
7. To Study Ringer section
8. To Study Dialer Section
9. To Study Speech Amplifier Section
10. To Study Keyboard Matrix Section
11. To Study Transmitter Section
12. To Study Receiver Section
13. To study transmission/reception theory - (CDMA)
14. To study details of SIM card
15. To understand charging of Hand Set
16. To understand and perform operational procedure
17. To understand disassembly and assembly instruction
18. To demonstrate and understand different types of faults
19. To study faults diagnosis method
20. To study the facilities provided by cellular company
21. To study cables & add-on accessories for Cell phones
22. To study secret codes of mobile
23. To study some common questions and Glossary of technical terms
24. To study front panel of 3G mobile phone trainer
25. To study block diagram of 3G mobile phone trainer
26. To observe test point voltages
27. To observe test point waveforms
28. To Observe different faults
29. To make Voice Calling