



ANTENNA TRAINER

MODEL-ANT100

This trainer has been designed with a view to provide theoretical and practical knowledge of different types of Antennas used in communication technology.



SPECIFICATIONS

Technical Specifications

1. Transmitter : Transmitter 800MHz PLL
2. Tone Generator : 1KHz approx (Output Adjustable)
3. Antenna Positioner : Manual - 5 deg steps
4. Receiver : 50 to 860MHz PLL with Centronics & RS232 interface
5. Power Supply : 230V + 10%, 50Hz

Antennas

1. Dipole $\wedge/2$
2. Folded Dipole $\wedge/2$
3. Dipole $\wedge/4$
4. Yagi UDA Folded Dipole (3 E) , Yagi UDA Folded Dipole (5 E) , Yagi UDA Dipole (7 E)
5. Horizontal End Fed Hertz Antenna
6. Ground Plane Antenna
7. Ground Plane with Reflector & Director
8. Slot Antenna $\wedge/2$
9. Loop Antenna
10. Helix Antenna

EXPERIMENTS

1. To understand theory and difference between different antennas.
2. To plot the radiation pattern of an Omni directional antenna (Polar Diagrams)
3. To Measure field strengths of Omni directional antenna (Power Metering)
(Polar plot of Azimuth & Elevation planes on log/linear scales and Cartesian plot on log scales)
4. To carry out above experimnts for other antennas

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Dealer:-