

**Product Name :**  
Antenna Trainer

**Product Code :**  
NLAB-ELECTRONICSAB200020



**Description :**

Antenna Trainer

**Technical Specification :**

The desktop Antenna Training System has been specially designed for engineering colleges and training centers.

It is very useful for introducing practical verification of antenna operation to the students.

The work book provides theoretical concepts and detail procedure of experiments with each type of antenna.

The training system includes set of modular mechanical elements forming various antennas, a transmitter unit and a detector unit.

All the accessories are packed in a convenient carrying case.

The Antenna Training System also comes with Motorised Antenna Unit to automate the recording of the radiation pattern of the antennas.

The Motorised Antenna Unit consists of a Microcontroller based system for Capturing, Displaying and Printing of

Antenna radiation pattern.

The system capture signal at an interval of  $1^\circ$  rotation using stepper motor and radiation pattern is displayed on PC .

The Windows based Software is supplied in CD Rom. The PC Communication is via RS232 port. It used with.

RF Generator for easy experimentation with built-in modulation and DC transmitting mast, and receiving mast with detector.

Experiment with different types of antennas Antenna Fabrication kit

Forward / Reverse power & SWR measurements

Fully documented student workbook and operating manual

Book entitled "Antennas" by John D. Kraus with each trainer

Video CD containing the demo of Antenna Trainer

Radiation Pattern Plotting Software

Experiments that can be performed

Polar plots & polarization

Wave modulation & demodulation

Antenna gain, Antenna beam width study

Element current, Front-back ratio study

Antenna matching

Antenna radiation with distance

## Naugralabequipments

**Website:** www.naugralabequipments.com, **Email:** sales@naugralabequipments.com

**Address:** 6148/6, Guru Nanak Marg, Ambala Cantt, Haryana, India. **Phone:** +91-9896600003