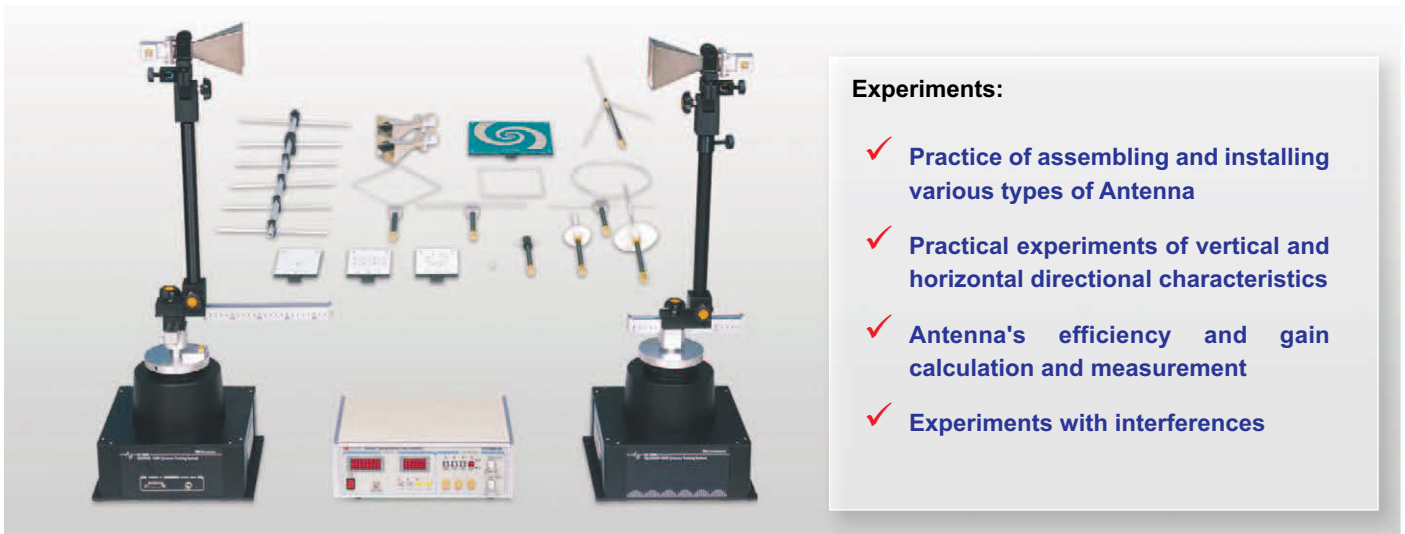


EA-818 Antenna trainer

- ✓ 16 different types of antenna
- ✓ RF source generation : 500 MHz, 2 GHz and 10 GHz
- ✓ Software simulation of radiation patterns and characteristics of antenna
- ✓ Antenna directional coupler (manual / remote)



Experiments:

- ✓ Practice of assembling and installing various types of Antenna
- ✓ Practical experiments of vertical and horizontal directional characteristics
- ✓ Antenna's efficiency and gain calculation and measurement
- ✓ Experiments with interferences

SPECIFICATIONS	EA-818 ANTENNA DESIGN AND ANALYSYS TRAINER
MAIN CONTROLLER	
RF generator	
Frequency range	500 MHz, 2 GHz, 10 GHz
Power range	10 mW (Approx.)
Output impedance	50 Ω (Nominal)
Modulation frequency	1 kHz
Receiver and Control	
RF input level	From -50 dBm to -10 dBm
Directional antenna control range	From 0° to 360°
Antenna rotor angle control	1°/step, 5°/step, 10°/step
Interface	Manual / PC (RS-232C)
ANTENNA TRANSMIT UNIT	
Fixing (for polarised wave)	Horizontal / Vertical
Antenna directional control	Manual
Dimensions	300 (W.) x 800 (H.) x 270 (D.) mm
Weight	7.5 kg
ACCESSORIES	AC power cord, Software CD-ROM, User manual, BNC cable, Set of cables (4 types)
EXPERIMENTAL MODULES (15 u.)	
RF freq. 500 MHz	1x Dipole, 1x Folded dipole, 2x Yagi, 1x Monopole, 1x Drooping, 1x Circular loop, 1x Square loop, 1x Diamond loop
Freq. 2 GHz	2x Dipole, 1x Spiral, 1x Monopole
Freq. 10 GHz	1x Helical, 2x Horn, 1x Rectangular patch, 1x Microstrip planar array (Rectangular), 1x Microstrip planar array (Circular)