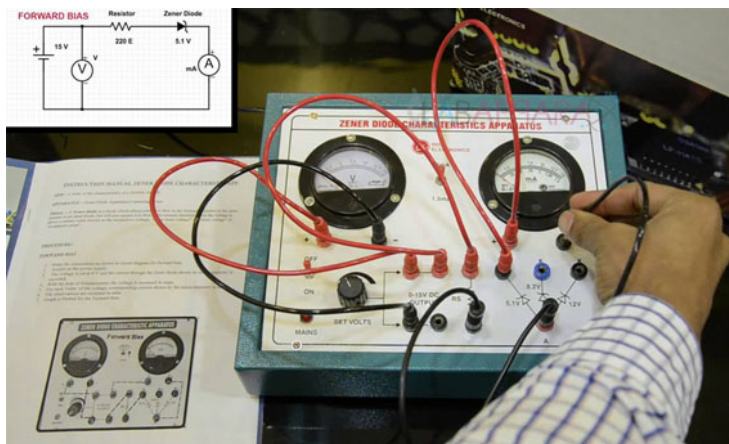


Radar Training System



Product Categories: [Advance Communication Lab](#), [Engineering Equipment](#)
Product Page: <https://www.labappara.com/product/radar-training-system/>

Product Description

Radar Training System

Doppler Radar Training System Features

Demonstrates the principle of Doppler shift of reflected electro magnetic wave from a moving object Speed, rotation, event counting, level control, contact less vibration measurement Observation and measurements with software Microwave X band operation High gain Parabolic antenna provided for narrow beamwidth and clutter reduction.

PC based oscilloscope provided FFT with cursor measurement

Technical Specifications

Microwave Transceiver: Type : MMIC tranciever with parabolic dish antenna.

Antenna Size : 25cm dia with f/d 0.25 Frequency : 10.3 GHz DRO stabilized Output

Level : 0 dBm typical Sensitivity : -70dBm typical Output : PC Compatible Power

Supply : 100-240V, 47-63 Hz Software: Display : Responsive real-time up to 50 fps

refresh Mode : Single trace, dual trace, and XY (Lissajous) Bandwidth : 10 Hz - 20

kHz, AC coupling Timebase : 10 us - 5 s ADC : 8-bit and 16-bit acquisition Sampling

: 11 kHz to 44 kHz rate FFT : amplitude and/or phase System PC required : 300 MHz

or faster PC, 64MB RAM, 1MB of disk space, Windows® XP, sound card,(Not supplied) Data export : Raw data export as WAV file Screenshot : Saved in BMP and EMF formats Visible trace : can be saved as text file Function : Copy-paste for screenshots or data Files - Printing, Triggering : Adjustable trigger level, slope, and delay Pretrigger : View - Single shot triggering mode Measure : On screen - Two cursors set by left and right click - Voltage and time difference readout - Direct frequency readout Accessories : Tuning Fork, Buzzer, Turbine Fan, Pendulum Moving Target Emulator & Radar jammer: Range : 0 to 1000km/hr Random Noise Jammer E-Manual: Installation Video for ease of Learning