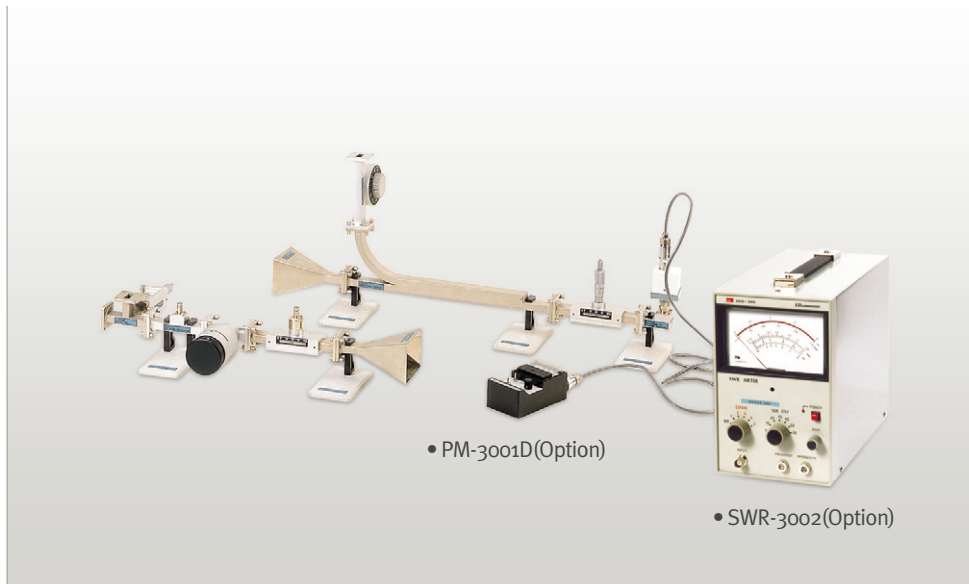


- Wireless / Broadcast

MICROWAVE TRAINER

- Gunn Oscillator base system
- Directional Coupler & Horn Antenna
- Frequency : 9GHz~11GHz (X-Band)
- Microwave output : 15mV

ED-3000



> EXPERIMENTS

- The Gunn Oscillator
- Square-law Characteristics of Microwave Crystal Detector
- Frequency Wavelength and Phase Velocity Measurements
- Q and Bandwidth Measurements in Cavity Resonator
- Power Measurement and Associated Errors
- Measurement of Impedance
- Measurement of Standing Wave Ratio(SWR)
- Attenuation Measurements
- Directional Coupler's Basic Properties
- Study of a Waveguide Hybrid-T

> SPECIFICATIONS

GENERAL CHARACTERISTICS

- Frequency Range : 9GHz~11GHz(X-Band)
- Microwave Power : 15mW(Approx.)
- System Case : 525(W) x 215(H) x 450(D)mm
- Weight : 15kg



ACCESSORIES

- AC Power Cord : 1ea
- Bolt, Nut : 40ea
- PCB2321 : 2ea
- Experimental Manual : 1ea
- Patch Cord : 1set

OPTIONS

- Power Meter(PM-3001D)
 - SWR Meter(SWR-3002)
- *Note : Power Meter and SWR Meter are essential for ED-3000 microwave experiments



Power Meter
(PM-3001D)



Power Sensor



Cable



AC Adapter

> COMPONENT LIST

1. Gunn Oscillator	8. Fixed Attenuator	15. Reflector with Stand
2. Slide Screw Tuner	9. Terminator	16. Supporter and Holder(7ea)
3. Slotted Line	10. Directional Coupler	17. Power Supply
4. Pin Modulator	11. Horn Antenna(2ea)	18. Coaxial Cable with Connector
5. Crystal Detector	12. Hybrid Tee	19. Square-wave generator
6. Frequency Meter	13. Wave to Coax Adapter	
7. Variable Attenuator	14. Wave-guide(2ea)	

