



Amitec Microwave Lab X Band MWL10

Amitec MWL10 Features:

- * All components are precious metal plated
- * Tested on HP network analyser
- * Corrosion free

List of Experiments

1. Study of Gunn Oscillator
2. Frequency, Guide wavelength measurement
3. VSWR, Reflection coefficient, Impedance Measurement
4. Q and bandwidth measurement in cavity resonator
5. Study of magic Tee, E, & H Plane Tee.
6. Study of Directional coupler
7. Study of Fixed & Variable Attenuators
8. Study of Isolator & Circulator
9. Dielectric constant measurement of solid.
10. Dielectric Constant measurement of liquids.
11. Phase Shift measurement

Sr.No.	Description	Qty.
1	Gunn Oscillator	1
2	Pin Modulator	1
3	Isolator	1
4	Frequency Meter	1
5	Variable Attenuator	1
6	Fixed Attenuator	1
7	Slotted Line with Probe	1
8	Detector Mount	1
9	Movable Short & Fixed Short	1
10	Rectangular Waveguide	1
11	Matched Termination	2
12	S.S. Tuner	1
13	Solid dielectric Cell	1
14	Liquid Dielectric Cell	1
15	Phase Shifter	1
16	E plane Tee	1
17	H Plane Tee	1
18	Magic tee	1
19	M.H.D. coupler	1
20	Circulator	1
21	Waveguide Stand	5
22	Microwave Power Meter XPM10	1
23	Gunn Power Supply	1
24	SWR Meter	1

Amitec Spectrum Analyser X Band SAX01

Amitec SAX01 Features:

- * X Band measurement range
- * Low cost with high performance
- * Shows Gunn, Klystrons, Magnetrons, DRO's etc. AM and FM modulation
- * Relative power & VSWR measurement
- * Observe Spurious outputs of Gunn, Klystron
- * Observe leakage in waveguide Flanges
- * Gain, coupling, loss measurement

Amitec Microwave Power Meter XPM10

Amitec XPM10 Features:

- * 8.2 to 12.4GHz measurement range
- * Bar Graph Display on backlit LCD
- * Wide power range from +20dBm to -30dBm
- * High measure speed at all power levels
- * dB relative mode
- * Measurement in dBm, mW, dBr, dBW, dBuW
- * Shock/Drop resistant Sensor

Frequency range	: 8.2GHz to 12.4 Ghz
Power	: +20dBm to -30dBm
Measurement	: dBm, dBr, mW, dBW, dBuW
Analog display	: Bar Graph
Offset	: for relative measurement
Resolution	: 0.1, 0.5 and 1dB
Display	: 16X2 Backlit LCD
Compensation	: Temperature compensated thermistor
Cable	: Sensor/meter cable 3m
Power	: 220V +/- 10% AC

E-Manual: Installation DVD for ease of Learning

Optional: Microwave Antenna Training System MAT10

List of Experiments

1. Measurement of Gain of Antennas
2. Measurement of Radiation Pattern of Antennas