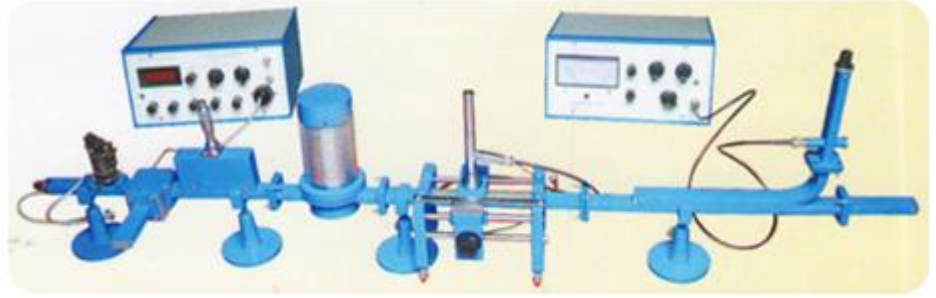


## Model JM 9004 (Microwave Lab KIT III )

### EXPERIMENT

- To study magic tee, directional coupler isolators & circulators
- To measure characteristic of detector diode
- To study attenuation measurements.
- To study the return loss measurements.



Components & Instrument	Model No.	Quantity	Components & INSTRUMENTS	Model No.	Quantity.
Klystron Mount	XKM-141	1	Fixed attenuator:3dB	XFA-103	1
Klystron Tube	2k-25	1	Fixed attenuator:6dB	XFA-106	1
Isolator	XIS-140	1	Magic tee	XMT-117	1
Frequency Meter(DRF)	XFM-142	1	M.H.D Coupler	XDC-303	1
Variable Attenuator	XVA-122	1	M.H.D Coupler:10 dB	XDC-310	1
Slotted Section	XSL-123	1	Cross directional coupler:20dB	XCD:552	1
Tunable probe	XTP-124	1	T.Circulator	XT-131	4
Detector Mount	XDM-125	1	Y.Circulator	XY-132	1
Movable Short	XMS-126	1	H-plane tee	XHT-116	1
Matched Termination	XTX-127	1	E-plane	XET-115	1
Waveguide stand	XWS-150	3	BNC Cable		4
Cooling Fan	CF-130	1	Fasteners		1Set
VSWR Meter	VS-105	1	Experiment Manual		1set
Klystron Power supply	KPS-105	1			

## Model JM 9005 (Microwave Antenna Trainer KIT )

### EXPERIMENTS

- Measurement of gain and radiation pattern of E-sectorial Horn
- Measurement of gain and radiation pattern of H-sectorial Horn
- Measurement of gain and radiation pattern of Pyramidal Horn
- Measurement of gain and radiation pattern of Parabolic DiscHorn
- Measurement of gain and radiation pattern of Dielectric Horn
- Measurement of gain and radiation pattern of Slotted antenna broad wall Horn
- Measurement of gain and radiation pattern of Slotted antenna narrow wall Horn
- Measurement of gain and radiation pattern of Pick up Horn



Components & Instrument	Model No.	Quantity	Components & INSTRUMENTS	Model No.	Quantity.
Klystron Mount	XKM-141	1	Mechanical Turn Table	XR-655	1
Klystron Tube	2k-25	1	Standard Gain Horn	XH-385	1
Isolator	XIS-140	1	E/H-plane Bend	Xb-181/182	2
Frequency Meter(DRF)	XFM-142	1	Waveguide stand	XWS-150	3
Variable Attenuator	XVA-122	1	Cooling fan	CF-130	1
Detector Mount	XDM-125	1	VSWR Meter	VS-105	1
Klystron Power Supply	KPS-105	1	H-sectorial Horn	XH-561	1
Pick up Horn	XH-380	1	Parabolic Disc(with feed) 8"	XPD-629	1
Slotted Antenna Narrow Wall	XN-426	1	Pyramidal Horn	XH-385	1
Slotted antenna broad wall	XB-435	1	BNC Cable		1
Dielectric Antenna	XD-435	1	Fasteners		1set
E-sectorial Horn	XE-560	1	Experiment Manual		1Set