

Features:

- * X Band Microwave Network analyser Trainer.
- * X Band DRO stabilized transmitter and receiver
- * Microwave power meter receiver with 0.1dB resolution
- * 70 dB dynamic range.
- * Directional Coupler for VSWR/ Return Loss.
- * Stepper motor antenna rotator with 1 degree resolution
- * RS232 interface with polar/cartesian plotting software
- * 1000 location Frequency and level storage in receiver
- * Ability to transfer Digital signal over microwave.

1. X band DRO Transmitter



Frequency :X band Dielectric Resonator stabilized MESFET source on microstrip
Accuracy : 0.1%
Modulation: CW/ASK(DC-15 KHz) Ext
RF Level: 1mW typical
Output Z : 50 ohms with SMA connector

2. X Band DRO Receiver



Frequency : X band Microwave receiver power meter
Accuracy : 0.1%
Sensitivity : -70 dBm typical
Input Z: 50 ohms with SMA connector

3. Signal Analyser/Stepper motor controller



Measure :Microwave power level in dBm& dBu
Resolution : 0.1dB
Demod : Digital out
PC interface : RS 232 to PC for antenna Plotting using supplied software
Display : 16x2 backlit LCD for angular Position and power level
Rotation : 0-359 degrees
Control: Menu , Enter, Escape, Up & Down
Angle : User selectable steps of 1, 5, 10, 45 degrees
Memory : 1000 memories for storing positions and RF levels for quick recall
Auto Mode : Automatic rotation in user steps with Datalogging facility.
Indication : Beep on reaching the selected Position
Power Supply : 100-240V AC, 50-60 Hz



4. Conical Horn



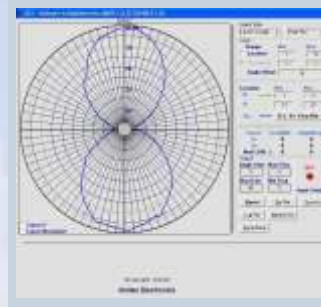
S11: >6dB
Bandwidth: 8.2- 12.4 GHz
Gain: 10dB
Beamwidth : E plane
Beamwidth : H Plane
Polarisation : Linear

5. Stepper motor controlled antenna monopod



Rotation: 0-359 degree Azimuth
Mount: Waveguide WR990 E or H, 1/2" BSW
Offset: Adjustable for phase center
RCS: Low Non magnetic, non conductive, low dielectric
Motor: Stepper Motor with heavy duty reduction gearbox

6. Windows Software



RS232 interface with polar plotting software with log, linear cartesian and polar plots, Multiple pattern overlay, Double cursor measurement, Zoom, Colour editing, 1000 location editor, Absolute/Relative, 3dB/10dB beam-width measurement

7. Conical Horn



S11: >6dB
Bandwidth: 8.2- 12.4 GHz
Gain: 10dB
Beamwidth : E plane
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Polarisation : Linear

8. Accessories



Non-radiating monopod for transmitting Antenna
All necessary connectors and cables

E-Manual: Installation Video for ease of Learning

**Dimensions: 55X45X36cm.
Weight: 15kg.
Warranty: 3 yrs**

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