ANTENNA EXPERTS

E-mail: info@antennaexperts.in Website: www.antennaexperts.in

Model AY-250 220 – 290 MHz. 13 dBi. Gain

UHF YAGI ANTENNA - INSTALLATION MANUAL

NOTICE:

Installation, maintenance or dismounting of the antenna system requires qualified and experienced personnel. Antenna Experts antenna Installation instructions have been prepared and are meant for skilled personnel only.

Antenna Experts disclaims any liability or responsibility as a result of improper or unsafe installation practices.

MATERIALS:

Following materials are used for the fabrication of Antennas and its accessories.

Descriptions/Items	Materials
Yagi Boom and Elements:	6063T6 Aluminum Alloy.
Mounting Hardware:	All Stainless Steel.
Fasteners:	All Stainless Steel.
Connector:	Silver Plated Brass body & Gold plated center pin.
Insulator:	TEFLON.

PACKING LIST:

Sl. No.	Item/Description	Quantity
01.	Yagi Antenna complete in assembled condition.	1 Each.
02.	Mounting Clamp complete with all accessories.	1 Each.
03.	Installation Instructions.	1 Each.
04.	Test Report.	1 Each.

INSTALLATION INSTRUCTIONS:

1. Unpack the Yagi antenna from the packing box.
2. Antenna is supplied completely in assembled condition. No assembly and field tuning is required for the antenna.
3. Mounting clamp is fitted on the boom of yagi antenna for vertical polarization, behind the reflector.
4. Plane of polarization, vertical to horizontal can be changed by rotating the mounting clamp through 90 degrees.
5. Install the Yagi antenna on 2 Inches (51 mm) O.D. round pipe by using two “U” type bolts.
6. Connect the flexible coaxial cable to the N-female termination of yagi antenna.
7. Secure the flexible coaxial cable with cable ties.
8. Seal the connector against moisture ingress with a sealing tape.
7. Take VSWR reading by using through-line RF Power meter. The SWR should never exceed 1:2.
9. Keep the record of VSWR measurements for future reference.
10. Carefully align the antenna in desired direction to obtain maximum signal strength.
11. Tighten all nuts and bolts.