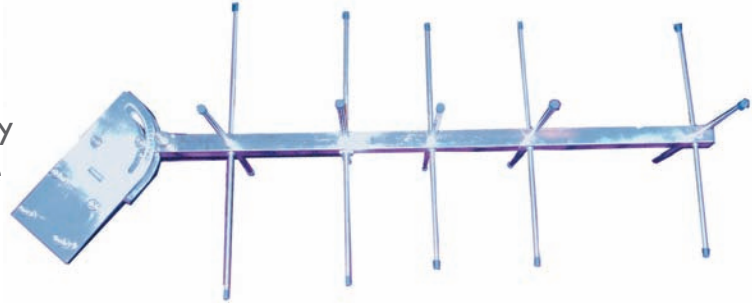


YAGI SATELLITE ANTENNA

5000-0155-1 & 5000-0156-1



Transmits from Data Collection Platform (DCP) to the Geostationary Operational Environmental Satellite (GOES)



APPLICATIONS

- GOES/METEOSAT/GMS satellite DCPs (domestic and international channels)
- Any applications requiring high gain directional uplink antennas
- Stand-Alone Hydro-Met Station with SatLink2
- Made of rust resistant materials
- Moisture-proof
- Can be assembled in a few minutes
- Beamwidth wide enough to illuminate at least two of the GOES satellites- either the GOES East and the GOES Central or the GOES West and the GOES Central when pointed midway between the satellites
- High gain allows operation with DCPs transmitting at less than 10 Watts with 8.5 Watts typical output.
- Base of antenna can be installed on a standard 2 inch (2.5 inch max O.D.) vertical pipe providing a 360 degree azimuth and 180 degree elevation adjustment range



HELPFUL HINTS

For sites located near the ocean and sites susceptible to chemically corrosive environments, use the antenna with stainless steel elements. Use the Antenna Pointing Guide to determine the proper elevation and azimuth for pointing the antenna at the satellite. Misspointing of the antenna may cause poor communication or no communication at all.

SPECIFICATIONS

Specifications subject to change without notice

Antenna Type	Crossed Yagi
Polarization	Right Hand Circular
Gain	10.0 dB
Center Freq.	401.8 MHz
1/2 Power Beam Width	45 deg nom.
Bandwidth	2 mHz typ.
SWR	1.5 :1 Max
Input Impedance	50 Ohms
Axial Ratio	4 dB
Lightning	Antenna & elements at DC ground
Wind Survival	100 knots
Ice and Snow	100 lbs. per sq. foot
Connector	Type-N Female
Temperature	-65 to +65°C.
Weight	Aluminum: 4 lbs. (1.81 kg) Stainless Steel: 8 lbs. (3.63 kg)
Size	10.5 in. x 10.5 in. x 34.5 in.

ORDERING

5000-0155-1	Antenna, Yagi Satellite, Aluminum
5000-0156-1	Antenna, Yagi Satellite, Stainless Steel Mast & Elements
ACCESSORIES	
6411-1162-1	Cable assy. Antenna 15 ft.

SUTRON