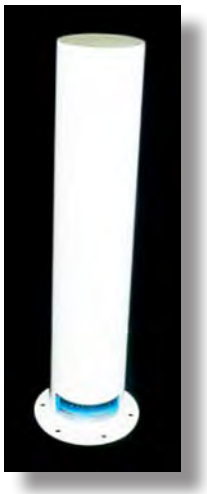
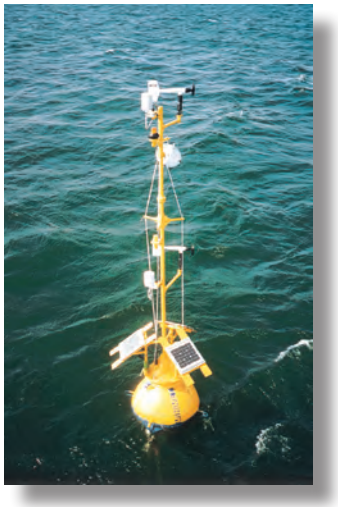
Omni Half Wave Antenna

FEATURES

- Rust resistant fully sealed to environment G-10 fiberglass radome & a white two-part polyurethane paint finish for long life under hostile atmospheric conditions
- Fully sealed to the environment
- Omni directional providing up to a 160 degree half power beamwidth almost horizon to horizon (Half-Wave Quadrafilar Helix Antenna with Right-Hand Circular Polarization, hemispherically omni-directional)
- Multiple satellite coverage regardless of the position of the antenna
- Antenna pointing not required since antenna is mounted vertically; no additional alignment necessary
- Light weight, resonant
- Superior axial ratio, SWR, & bandwidth





SPECIFICATIONS

Specifications subject to change without notice	
Antenna Type	Omni Directional Antenna
Polarization	Right Hand Circular
Frequency	401 MHz Nominal
Bandwidth	4 MHz Minimum
Input Power	50 Watts Maximum
SWR	1.5 Maximum
Axial Ratio	5 dB Maximum
Gain	3.5 dBic Minimum
Polarization	Right-Hand Circular
½ Pwr Beamwidth	160° Nominal
Connector	Type N Jack
Environmental	
Wind	100 knots
Effective Wind Area	0.47 ft^2
Ice & Snow	100 lbs/ft^2
Rain	5"/hour
Temperature	-65ºC to +65ºC
Relative Humidity	0 - 200%
Altitude	-1,000 to +15,000 ft MSL
Mounting	4 ¼" flange w/6 evenly spaced holes on 3 5/8" dia. bore center for ¼" bolt
Weight	1.3 lbs maximum
Size	3.0" dia. x 15.0" lng x 4.25" base flange & connector

ORDERING

5000-0020-1	Antenna, Half Wave OMNI-Directional Satellite
Recommended Accessories	
6411-1162-1	Cable Assy, Antenna, 15 ft.
5000-0082	Element kit for 5000-0080 (set of 20)
5000-0083	SS element kit for 5000-0081 (set of 20)
Shipping Size	18" H x 6" W x 6" D

APPLICATIONS

- Ideal for Buoy Applications
- Mobile Satellite Platforms
- ARGOS platforms
- Radiosonde Receivers
- NOAA A-H Platforms
- Transit Navigation ReceiversSites needing illumination of multiple satellites
- Polar or Equatorial satellite coverage

INSTALLATION INFORMATION

- When mounting an Omni antenna on a side arm of a tower, do not mount the antenna close to the metal structure. Place the antenna at least three to four feet from the side of the tower, more if possible. This minimizes the distortion of the antenna pattern allowing maximum gain.
- To maximize the service life of the installation, always apply waterproof or antenna sealant tape to the RF connector once the coaxial cable has been connected to the base.