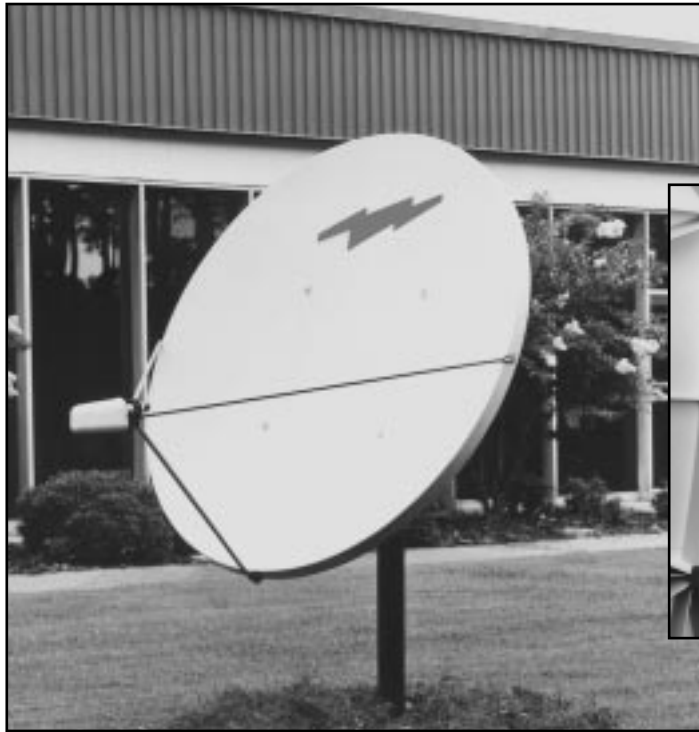




TYPE 180

1.8m Receive-Only Offset Antenna System



*Sturdy Az/EI mount with
elevation scale*

FEATURES

- One-piece precision offset thermoset-molded reflector.
- Single bolt fine elevation adjustment.
- Galvanized .75 in. O.D. feed support legs.
- Factory pre-assembled mount.
- Cadmium-plated hardware for maximum corrosion resistance.
- Available with a wide variety of C-Band or Ku-Band feeds.

DESCRIPTION

The Andrew Corporation Type 180 1.8m Offset Antenna is a rugged commercial grade product suitable for the most demanding applications. The reflector is thermoset-molded for strength and surface accuracy. Molded into the rear of the reflector is a network of support ribs which not only strengthens the antenna, but also helps to sustain its critical parabolic shape.

The Az/EI mount is constructed from heavy-gauge steel to provide a rigid support to the reflector. Four heavy-duty lockdown bolts secure the mount to any 4.50 in. O.D. mast and prevent slippage in high winds. A specially formulated powder paint process offers excellent protection from weather-related corrosion. Hot-dip galvanizing is optional for extreme environmental conditions.

1.8m Receive-Only Offset Antenna System

RF PERFORMANCE

	<u>C-Band</u>	<u>Ku-Band</u>
Effective Aperture	1.8m (71 in.)	1.8m (71 in.)
Operating Frequency	3.7-4.2 GHz	10.95-12.75 GHz
Polarization	Linear (Circular optional)	Linear (Circular optional)
Midband Gain (± 2 dBi)	35.3 dBi	45.5 dBi
3 dB Beamwidth	3.0°	.99°
Antenna Noise Temperature @ 30° EL	30°K	23°K
VSWR	1.3:1 Max.	1.3:1 Max.
Cross-Polarization Discrimination	>30 dB On Axis (Linear)	>30 dB On Axis (Linear)
Feed Interface	CPR-229	WR75 Cover Flange (UBR120)

MECHANICAL PERFORMANCE

Reflector Material	Glass Fiber Reinforced Polyester
Antenna Optics	One-Piece Offset Feed Prime Focus
Mount Type	Elevation over Azimuth
Elevation Adjustment Range	10° - 70° Continuous Fine Adjustment
Azimuth Adjustment Range	360° Continuous
Mast Pipe Interface	4.50 in. (114 mm) Diameter
Wind Loading	Operational 50 mi/h (80 km/h)
	Survival 125 mi/h (200 km/h)
Temperature	-50°C to 80°C
Humidity	0 to 100% (Condensing)
Atmosphere	Salt, Pollutants and Contaminants as Encountered in Coastal and Industrial Areas
Solar Radiation	360 BTU/h/ft ²
Shock and Vibration	As Encountered During Shipping and Handling

**ANDREW®****Connecting the Wireless World**

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