

TP-150

1.5m X, Ku, DBS & Ka Band Flyaway Antenna

DSNG Antenna



The TP-150 antenna from Holkirk is designed to excel in today's increasingly demanding DSNG environment.

With a well proven track record the TP series of antennas provide simple, fast and accurate satellite acquisition either as a manually controlled mount or as a fully auto-pointing motorised system in the harshest applications.

1.5m High accuracy carbon fibre reflector

Up to 400w Tx power

Fully auto-pointing options

No assembly tools required

Colour options available

X, Ku, DBS & Ka bands

BUC mounting on boom or on elevation head

Manual over rides on all 3 axis

Quick connect waveguide couplers

This user friendly, compact and light-weight antenna is available in X, Ku, DBS & Ka bands and can be operated globally controlled either by a local hand held interface or via a touch GUI screen making the TP150 simple to set-up and operate even in adverse weather conditions or hostile environments.

The light weight but sturdy tripod design includes a truly versatile HPA cradle which can accommodate a wide range of 3rd party amplifiers up to 200w in Ku band, neatly eradicating the need for long lengths of flexible waveguide.

The main reflector is manufactured from high quality carbon fibre that employs a revolutionary spherical dowel locking mechanism to ensure perfect alignment.

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holkirk

a SEMATRON  company

DSNG Antenna

SPECIFICATION

Antenna

Reflector material	-	8 segment, 1.5m carbon fibre
f/D	-	0.78
Geometry	-	Single offset
Ambient Temperature		
Operational	-	-20°C to +55°C
Storage	-	-40°C to +70°C
Solar Radiation	-	1,200 W/m ²
Operating Humidity	-	100% Condensing
Altitude		
Operational	-	Up to 3,000m (9,850 ft)
Survival	-	Up to 10,000m (32,800 ft)
Wind Speed		
Operational	-	30 mph (48 kph)
Survival	-	55 mph (89 kph)
Azimuth Range	-	Continuous 360° Manual, ± 90° Auto-point
Elevation Range	-	5 - 90°
Polarisation	-	± 95°
Packaging	-	4 cases <23kg IATA

Electrical Data

X Band

Gain Rx	-39.5 dBi
Frequency	-7.25 to 7.75 GHz
Gain Tx	-40.3 dBi
Frequency	-7.9 to 8.4 GHz

Ku Band

Gain Rx	-43.7 dBi
Frequency	-10.7 to 12.75 GHz
Gain Tx	-45.5 dBi
Frequency	-13.75 to 14.5 GHz

DBS Band

Gain Rx	-43.4 dBi
Frequency	-10.7 to 12.75 GHz
Gain Tx	-47.2 dBi
Frequency	-17.1 to 18.4 GHz

Ka Band

Gain Rx	-47.1 dBi
Frequency	-18.2 to 21.2 GHz
Gain Tx	-51.0 dBi
Frequency	-27.5 to 30.0 GHz

Accessories

Manual jog, auto-acquire or inclined orbit tracking controller
| RF mounting options | High stability LNB | Sand Shoes

