

TP-2

1.2m X, Ku, DBS & Ka Band Flyaway Antenna



The TP-2 antenna from Holkirk is designed for use in DSNG and Government environments globally.

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.

1.2m High accuracy carbon fibre reflector

Auto-pointing & inclined orbit tracking options

No assembly tools required

Colour options available

X, Ku, DBS & Ka bands

BUC mounting on boom

Manual over rides on all 3 axis

Quick connect waveguide couplers

This user friendly, compact and light-weight antenna is available in X, Ku & Ka bands and can be operated globally controlled either by a local hand held interface or via a touch GUI screen making the TP2 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 200w in Ku band, neatly eradicating the need for long lengths of flexible waveguide.

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holkirk

a SEMATRON  company

DSNG & Government
Communications Antenna

SPECIFICATION

Antenna

Reflector material	-	4 segment, 1.2m carbon fibre
f/D	-	0.78
Geometry	-	Single offset
Ambient Temperature		
Operational	-	-35°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	-	60 mph (97 kph)
Azimuth Range	-	± 90°
Elevation Range	-	5 - 90°
Polarisation	-	± 95°
Packaging	-	2 cases <45 kg
(Option)	-	4 cases <32 kg

Electrical Data

X Band

Gain Rx	-38.9 dBi
Frequency	-7.25 to 7.75 GHz
Gain Tx	-39.5 dBi
Frequency	-7.9 to 8.4 GHz

Ku Band

Gain Rx	-42.0 dBi
Frequency	-10.7 to 12.75 GHz
Gain Tx	-43.5 dBi
Frequency	-13.75 to 14.5 GHz

DBS Band

Gain Rx	-42.0 dBi
Frequency	-10.7 to 12.75 GHz
Gain Tx	-45.2 dBi
Frequency	-17.1 to 18.4 GHz

Ka Band

Gain Rx	-45.0 dBi
Frequency	-18.2 to 21.2 GHz
Gain Tx	-49.4 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

