

# ANT400K, KS

## WIDEBAND DISCONE ANTENNA

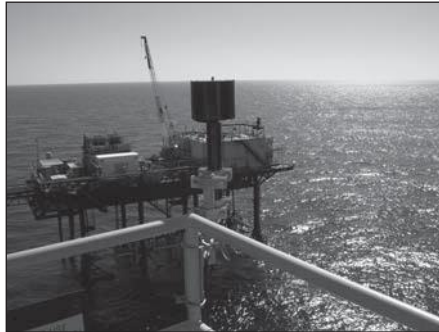
The Telewave.io ANT400K is an extremely rugged, wideband disccone antenna for all frequencies between 400 MHz and 3 GHz. The wide vertical beamwidth of disccone antennas allows clear communication for ground, sea, and ground-to-air applications.

Telewave disccone antennas are designed to survive the most extreme conditions, where conventional antennas often fail. They are field-proven in military deployments and the offshore oil and gas industry, and support many voice and data requirements in multiple bands.

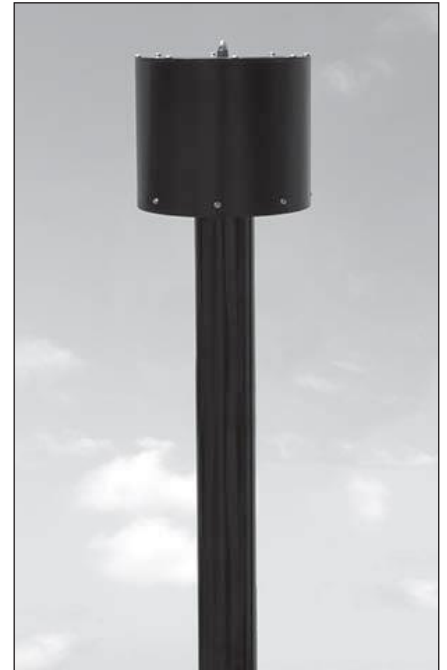
Each disccone is constructed from Mil. Spec. 6061-T6 solid aluminum, fully welded at all joints for maximum strength. All internal junctions are enclosed within a ruggedized radome to ensure survivability in the worst environments.

The radome and Txylan™ coating on all metal surfaces ensures complete protection from corrosive gases, ultraviolet radiation, salt spray, acid rain and sand storms in desert environments.

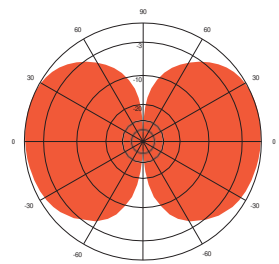
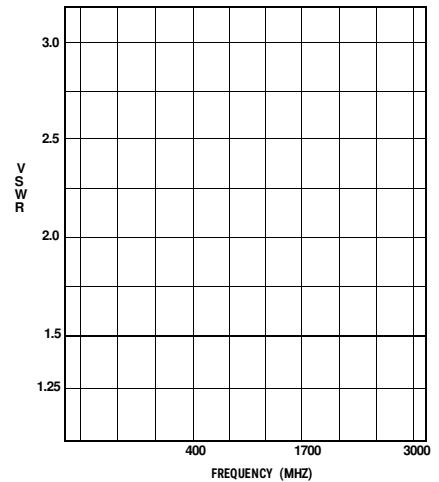
The ANT400K is designed to be clamped to a 1.5"-3.5" diameter galvanized steel support pipe. An ANTC482 dual clamp set is included. The ANT400KS is provided with a shortened support mast for compact installations.



**ANT400KS IN OFFSHORE DEPLOYMENT**



SPECIFICATIONS	
Frequency (continuous)	400 MHz - 3 GHz
Power rating (typ.)	500 watts
Gain (typ.)	0 dBd
Impedance	50 ohms
VSWR	1.5:1 or less in band
Pattern	Omnidirectional
Termination	N-Male or 7-16 DIN (option) on RG-393 feed cable
Vertical beamwidth (nom.)	110 degrees
Wind rating / 0.5" ice	200 / 150 MPH
Maximum exposed area	1.13 ft. <sup>2</sup>
Lateral thrust at 100 MPH	46 lb
Bending moment at 100 MPH	74 ft. lb (top clamp, flat plate equiv.)
Dimensions	48" H x 8" W (at base)
Weight (antenna + clamps)	32 lb
Shipping weight	41 lb



**E-plane: 450 MHz**