



EASYTRACK AUTOTRACKING MADE EASY

Model Type: ANP0085D

EasyTrack provides a cost effective motorization and optional tracking solution.

Transforms standard VSAT antennas into autotracking systems.

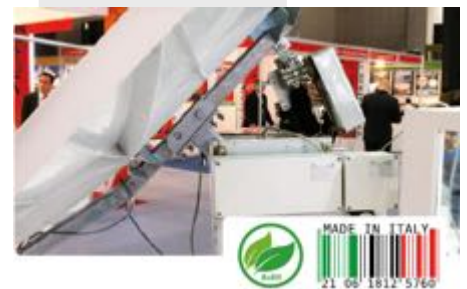
The three axis easyTrack motorization unit allows the antenna to operate with a number of different satellites. **The motors provide for stable and precise movement** and fine control for signal optimization. The rugged mechanics ensures for operation and survival in the most extreme conditions and environments.

An easyTrack application might be to make motorized VSAT antennas on the oil & gas platform.

The system is currently available for Skyware Global and Prodelin antennas of sizes 1.2m, 1.8m and 2.4m.

Key Features:

- Flexible and cost-effective: the same kit fits different size of antennas
- 3 Axis motorization: provides full Azimuth, Elevation and Polarization movement
- Easy to install: easyTrack is designed for a seamless integration with the antenna, new or existing, without any modification.
- Approval safe: the kit doesn't alter the electrical performance of the antenna, ensuring that original type approval is maintained.
- Easily upgradable: easyTrack comes with an integrated beacon receiver interface, to upgrade the system with the optional beacon receiver at any time.
- Remotely controlled: the indoor web interface allows to manage the system via web through a LAN IP cable, even from a remote location. SNMP supported.



ISO 9001:2008





MOUNT SPECIFICATION

Mount Type	Elevation over Azimuth		
	Azimuth	Elevation	Polarization
Travel Range	$\pm 160^\circ$	10° to 80°	$\pm 90^\circ$
Drive Mode (3 axis)	Motorized		
Azimuth Travel Rate	1.2°/ sec max. (24 Vcc)		
Elevation Travel Rate	1°/sec max. (24 Vcc)		
Polarization Travel Rate	3.6°/sec max. (24 Vcc)		
Motor Supply Voltage	Direct motors Control trough PWM 8A		
	Max mode @ 24 VDC		
	Wind Load Operational 125 km/h		

POSITIONING SPECIFICATION

Position Encoding	13 bit Absolute rotary Encoder for Elevation and Azimuth axis Potentiometer for the Polarization axis
Position Accuracy	$\pm 0.065^\circ$
Display Position Resolution	0.001°
Interface to Beacon Rx	Trough DB9-Female connector
Tracking Accuracy (RMS)	Better than 10% of 3 dB beamwidth
M&C interface	Ethernet (option RS32/Rs422)
Movement mode, selection from the web interface menu	Stand-by; Manual; Preset Tracking; Beacon calibration from remote interface

ENVIRONMENTAL SPECIFICATION

Wind (survival)	200 km/h (in stow position)
Ambient Temp.	-30° to 55°
Relative humidity	100%
Solar Radiation	1135 Kcal/h/mq
Atmosphere	Salt, pollutants as encountered in costal and industrial areas
Dimension of package	80 x 60 x 70 cm
Weight	About 50 Kg
AGC Input	0 a 10V 2MOhm with offset and gain regulation
Primary Supply Voltage	230 VAC $\pm 15\%$ 50/60 Hz
Power Consumption	300W