

Milexi-trax

Inclined-orbit Tracking Antenna System



The Milexi-trax provides a simple, robust and accurate solution for small antenna positioning and inclined orbit tracking in C, X Ku and Ka-Band.

With a wide powered movement of 0° to 90° elevation and 100° azimuth range, optional solar shield assembly and 110/240VAC input, the Milexi-trax will provide reliable worldwide operation.

An array of sensors integrated into the ACU will allow the system to determine its geo-location as well as its perpendicular elevation angle relative to the surface of the earth (not terrain dependant) so installation is very simple with the self-commissioning and auto-acquire process.

Power outage feature - The array of sensors that are incorporated into the Milexi-trax will allow the system to be powered off for any amount of time and still be able to SEARCH, LOCATE and TRACK an inclined orbit satellite without the intervention of experience staff.

Tracking and positioning algorithms supported by the ACU:

- STEP track
- MEMORY track
- GOTOSAT
- SATELLITE PEAK
- MANUAL JOG

The Milexi-trax is a complete integrated solution from Milexia and can be configured to suit any application.

Milexia offers full turn-key project management and implementation for all the Milexi-trax range

- 1.2M, 1.8M, 2.4M and 3.8M antenna options
- C, X, Ku and Ka-Band frequency range
- De-Icing systems
- Lighting protection
- NPNM, King-post, wall mounted options
- Integrated RF and electronics (BUC/LNB/modem)
- Light weight construction
- Self-commissioning and auto-acquire procedure
- Ethernet controlled graphical interface
- Machine readable TCP/IP M&C standards compliant protocol

