

Mechanical Tilt Sensor, AISG 2.0 Compliant, Dual Axis

Product Description

The RFS Mechanical Tilt Sensor (MTS) performs calibrated angle measurement with respect to gravity. When vertical, the device reads 0 degrees. Any deflection from vertical will result in increasing angle values. The in-line device eliminates the need for complicated mounting and alignment, making installation as simple as installing a standard cable.



Features/Benefits

- **IP67 rated** – prevents water intrusion in all environmental conditions
- **+/- 0.5 degree of accuracy** – improves RF optimization
- **AISG 2.0 compliant**
- **Low temperature drift** – provides reliable data in extreme environmental conditions
- **Digital filtering for stable measurement** – prevents false alarms caused by antenna vibrations

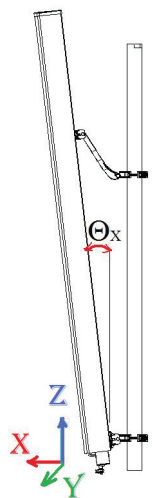
Technical Specifications

Electrical Specifications

Power, Current Draw, mA	< 16 at 10-30V DC Supply
Accuracy, degrees	+/- 0.5 (@25C)
Zero Position Temperature Drift, degrees	< 0.01
Resolution, degrees	0.1

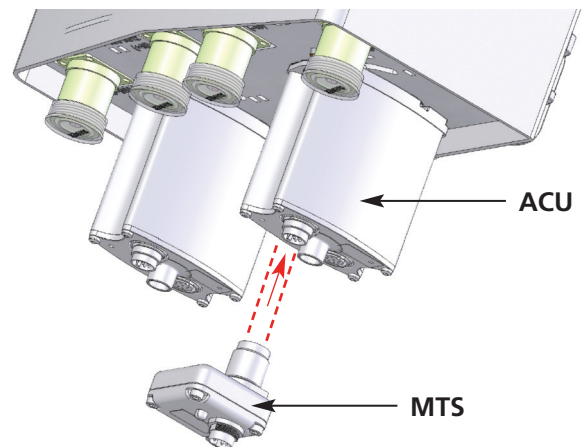
Mechanical Specifications

Range, X&Y Axis	+/- 20 degrees
Operating Temperature Range, °C (°F)	-40 to +85 (-40 to +185)
Weight, kg (lb)	.2 (.44)
Dimensions, H x W x D, mm (in)	50 x 50 x 55.8 (2.0 x 2.0 x 2.2)
MTS to ACU Connector	Female AISG compliant
MTS to Cable	Male AISG compliant



The MTS-XY-A20 measures mechanical tilt in two directions (X&Y).

This data is provisional and subject to change.



All information contained in the present datasheet is subject to confirmation at time of ordering.