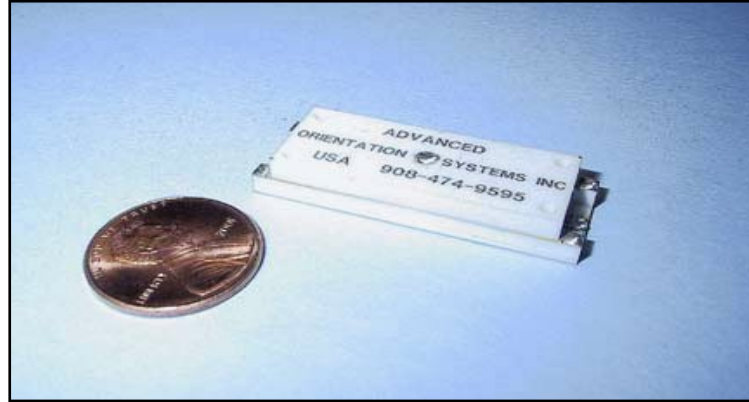




SX-003D-NULL-L EXTENDED RANGE ULTRA HIGH RESOLUTION NULLING SENSOR



SX-003D-NULL single axis NULLING inclination sensor provides an economical and reliable tilt sensing solution for applications requiring ULTRA--HIGH resolution, superior repeatability, good near-null symmetry and linearity. Rugged hermetic construction and MIL-SPEC wide temperature range make it suitable for numerous high precision sub-arcsec laser, optical, automotive, range finder, alignment, and construction applications. Innovative proprietary vertical design, four setscrew holes and low profile facilitate uncomplicated surface mounting. Duplicate sets of solder ready contacts are provided for increased contact reliability.

Specification	Data	Comments/units
Range	-3 to +3	arcdeg monotonous
Range	-1.25 to +1.25	arcdeg linear typical
Resolution	< 0.5	arcsec typical
Repeatability	< 0.0003	arcdeg typical
Linearity	< 10% @ 1	CCW & CW
Symmetry	< 15% @ 1	CCW & CW
Response time	< 15 msec	msec * #
Time constant	<100 msec	msec * #
Tot. settling time	<500 msec	msec * #
Temperature	-55 to +125	deg C operational
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Construction	Flat mount	Advanced ceramics
Size	1.5"L X 0.5" W x 0.25"H	

Recommended to be used with EZ-TILT-5000 or EZ-TILT-3000.