



KuSaBa Engineers Pvt. Ltd.

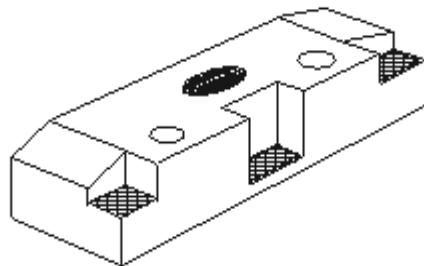
Miniature Single Axis Inclination Sensor SX-C29

ULTRA HIGH RESOLUTION Mulling Extended Range Version

SX-C29 single axis miniature NULLING inclination sensor provides an economical and reliable tilt sensing solution for applications requiring ULTRA--HIGH resolution, repeatability, good symmetry and linearity. Rugged hermetic construction and MIL-SPEC temperature range make it suitable for numerous high precision sub-arcsec laser, optical, automotive, range finder, alignment, and construction applications. Innovative proprietary vertical design facilitates uncomplicated flat top surface mounting.

Specifications:

Specification	Data	Comments/units
Range	-4 to 4	arcdeg smooth monotonous
Range	-0.5 to +0.5	arcdeg linear, near null
Repeatability	< 0.0005	arcdeg typical
Resolution	< 0.5	arcsec typical
Symmetry	< 5% @ 0.5°	% CCW & CW
Linearity	< 5% @ 0.5°	% CCW & CW
Response time	< 30mSec	mSec see notes*#
Size	1.200"x0.330"x0.250"	(L x W x H)
Time constant	< 150 mSec	mSec see notes**#
Tot. settling time	< 600 mSec	mSec see notes***#
Temperature	-55 to +125	deg C storage
Temperature	-55 to +125	deg C operational
Construction	Alumina Ceramics	High Reliability



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