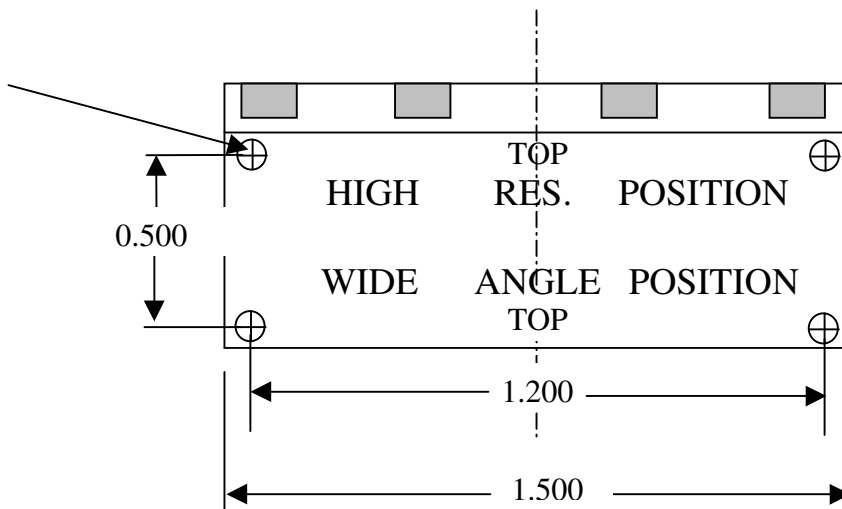




KuSaBa Engineers Pvt. Ltd.

Single Axis Inclination Sensor SX-COMBO HIGH RESOLUTION / WIDE RANGE

SX-COMBO is a new generation tilt sensor that provides users with previously unavailable possibility of measuring HIGH resolution and WIDE range angles with the same sensor. SX-COMBO inclination sensor provides an economical and reliable tilt sensing solution for applications requiring HIGH resolution, repeatability, and superior near null symmetry and linearity, while allowing users to switch to its WIDE angle mode and measure large angles of up to ± 15 arcdeg. Rugged hermetic construction and MIL-SPEC temperature range make it suitable for numerous high precision laser, optical, automotive, range finder, wheel alignment, platform leveling, military, robotics, and construction applications. Innovative proprietary vertical design permits multi-range operation and easy installation.



Specifications:

Range: mode A	-3 O to +3 O	(arcdeg) monotonous max
Range: mode B	-15 O to +15 O	(arcdeg) monotonous max
Resolution:	< 1 (arcsec)	typical,
Repeatability:	< 0.001 O (arcdeg)	typical mode A
Repeatability:	< 0.003 O (arcdeg)	typical mode B
Linearity:	< 5% @ 1 O (%)	F.S. CCW & CW linearized
Symmetry:	< 5% @ 1 O (%)	F.S. CCW & CW linearized
Temperature:	-55 O to +125 O	(deg C) operational
Temperature:	-55 O to +125 O	(deg C) storage
Construction:	Flat mount Advanced Ceramics	

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