

# Dual-Axis Auto-Zero Servo-Inclinometer Model FTSU

FTSU Auto-Zero servo-inclinometer was designed for high accuracy tilt measurement, with a patented internal auto-zero system designed to practically eliminate the influence of temperature changes, shocks, vibrations and time drifts.

## FEATURES:

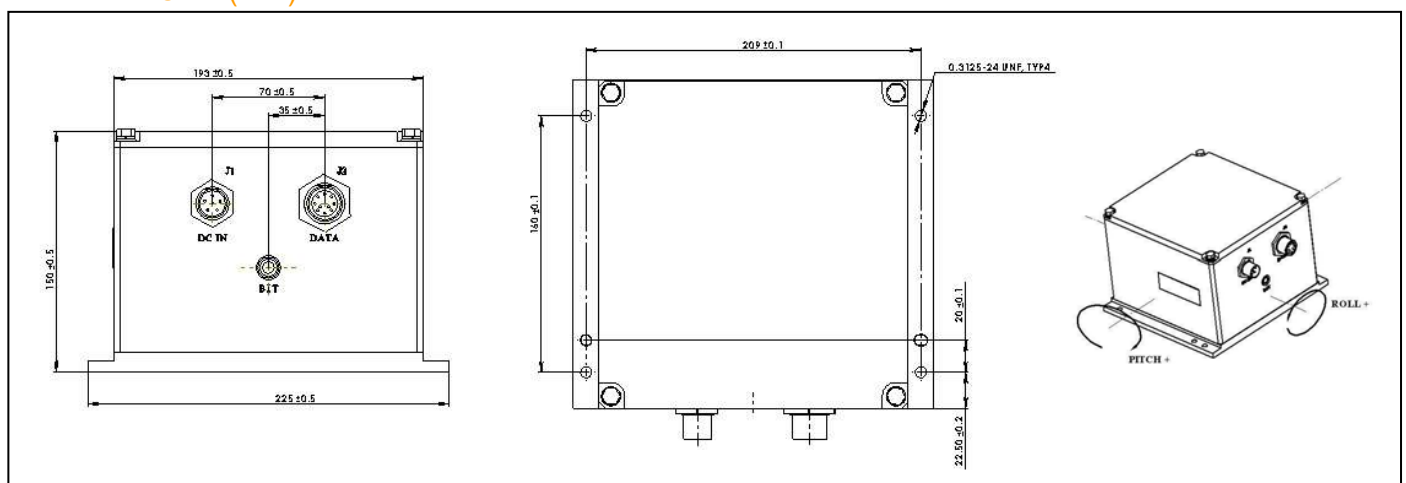
- Dual Axis measurement
- Auto-Zero compensation according to internal algorithm
- Optional measuring range: up to  $\pm 7^\circ$
- Optional communication: RS422, Ethernet
- US patents 6,546,639 and 6,722,049.



## SPECIFICATIONS

Measuring range	$\pm 1^\circ$ (pitch and roll) (Optional $\pm 7^\circ$ )
Total error (over the full temperature range and the whole lifetime of the product, with no calibrations needed)	$\sigma < 0.0028^\circ$ at $\pm 0.1^\circ$ range $\sigma < 0.0057^\circ$ elsewhere
Resolution	0.0006 $^\circ$
Power supply	20 – 28 VDC, 1Amp
Communication	RS232 (Optional: RS422, Ethernet)
Response time	150 msec
Temperature range	-10 to +50 $^\circ$ C, operating -20 to +70 $^\circ$ C, survival
Mechanical shock survival	$\pm 10g$ , 11ms
Housing material	Base: SAE316 with passivation Cover: Epoxy coated Aluminum alloy
Weight	<12 Kg

## DIMENSIONS (mm)



Rev. C

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