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.

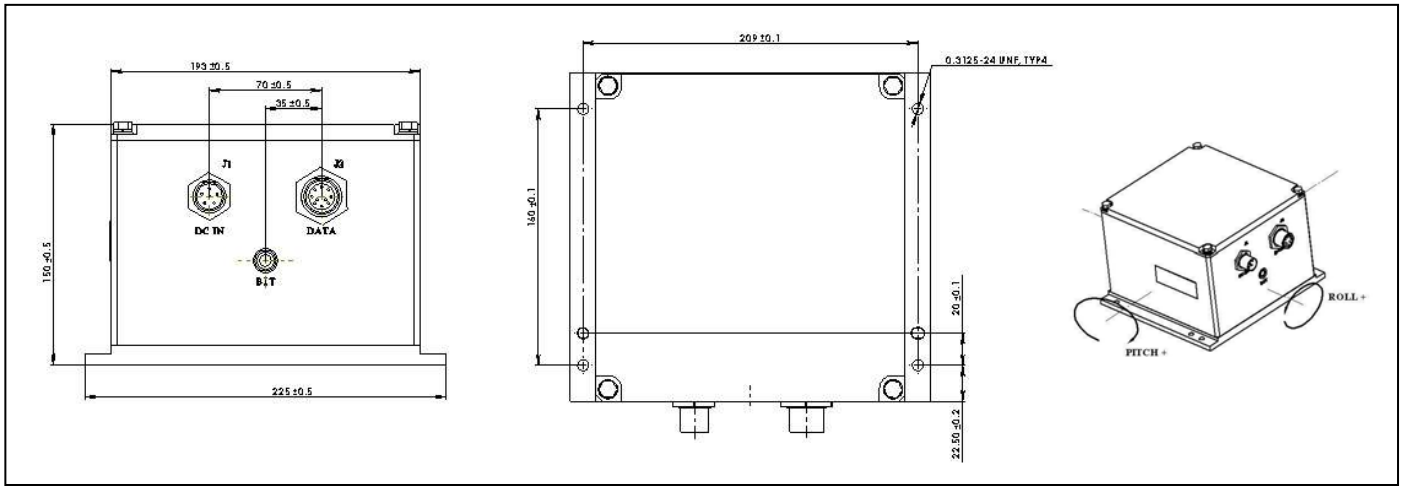
FEATURES:

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

● SPECIFICATIONS

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

● DIMENSIONS (mm)



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