

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:

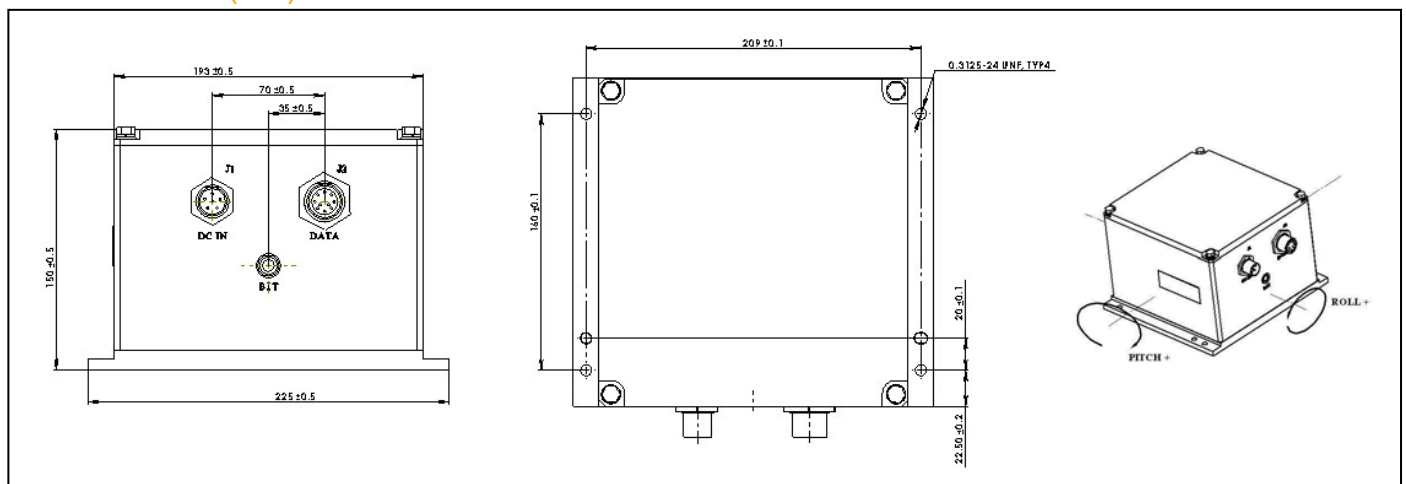
- Dual Axis measurement
- Auto-Zero compensation according to internal algorithm
- Optional measuring range: up to $\pm 7^\circ$
- Optional communication: RS422, Ethernet
- US patents 6,546,639 and 6,722,049.



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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