

HT-10

Aerospace LVDT displacement sensor



The HT-10 series of dual redundancy LVDT linear displacement sensors with high reliability which are developed specifically for aerospace & aircraft applications. This series of LVDT housing is made of high-strength stainless steel, with excellent performance. Lifespan is more than 30 years, and it can work continuously and stably at an altitude of 10,000 meters above sea level.

● Applications

- Aerospace & aircraft
- Aero-engine
- Piston position feedback
- Gas turbine
- Solenoid
- UAV
- Flight control system
- High reliability requirements environment

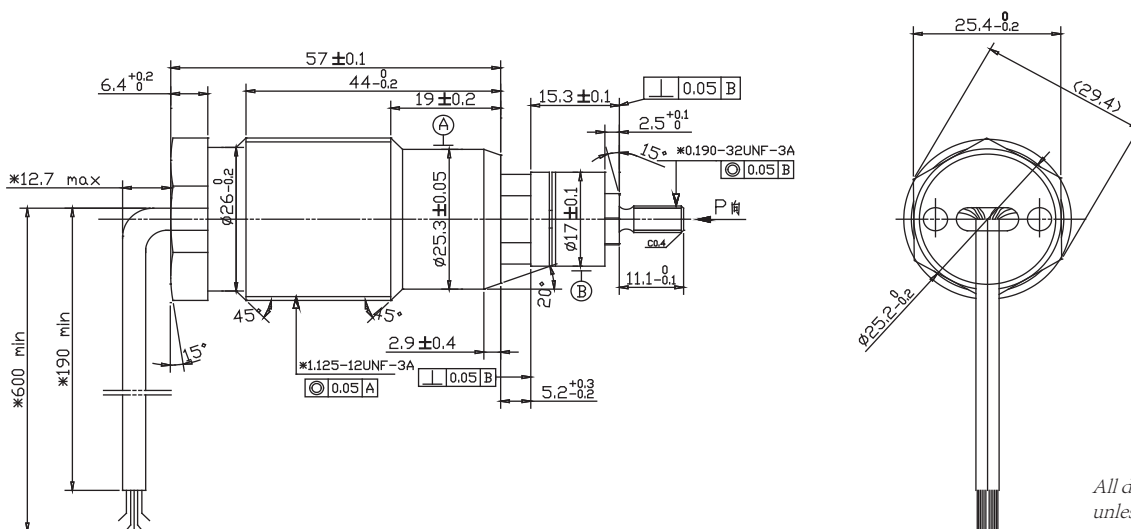
● Features

- Dual margin design, hot backup operation
- High precision, high repeatability, high reliability and high environmental adaptability
- High channel consistency, low channel cross-interference
- Wide operating temperature range
- Rotatable actuator assembly, easy to install

● General Specifications

Parameters	Descriptions
Product structure	Dual redundancy (electrical & mechanical)
Input voltage	(6 ± 0.3) V、(3000 ± 5) Hz、simple harmonic vibration
Electrical Stroke	($-3.2\sim6.4$) mm
Mechanical Stroke	($-5\sim8$) mm
Axial runout	Bearing assembly in axial direction < 0.0127 mm
Zero Voltage	NMT 15 mV
Sensitivity	0.0527 V/V/mm
Sensitivity Errors	NMT 0.5%FS
Weight	NMT 165g

● Dimensions



All dimensions are in millimeters
unless otherwise specified.

● Contact us

Contact us for technical consultation or customization requests.

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