# Dual-Axis Servo-Inclinometer, model TSD-USB

Comprising two TS inclinometers packaged in a single housing. As such, it features the same high performance resulting from closed loop operation: high linearity, virtually infinite resolution, low temperature sensitivity. USB2.0 full speed compatible

## **FEATURES**:

- High accuracy closed loop operation
- Virtually infinite resolution
- Excellent repeatability
- High environmental resistance

### • SPECIFICATIONS:

Measuring range	±10° ; ±30° ; ±60°
Non linearity error	0.02%FR for ±10°; 0.05%FR for ±30°; 0.1%FR for ±60°
Resolution	0.0005°
Non-repeatability & Hysteresis	< 0.005% FR
Sensitive axis misalignment	< 0.5 deg
Cross-axis sensitivity	<0.002g/g
Bias	<0.1% FR
Power supply	Via USB port
Output	USB2.0 full speed compatible
Step response	150 msec
Zero temperature coefficient	0.0005°/°C typ
Span temperature coefficient	0.01%/ºC typ
Temperature range	-30°C to +70°C operating; -40°C to +85°C survival
Maximum overload	100g constant acceleration
Shock survival	250g, 11msec
Housing material	Sulphuric anodized # 2024 Aluminum alloy
Weight	350 grams

How to order? Ordering examples:

TSD-USB with +/-10 measuring range will be named TSD-USB-10 TSD-USB with +/-60 measuring range will be named TSD-USB-60

# • DIMENSIONS (mm):



#### Rev. A

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