

# 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	$\pm 10^\circ$ ; $\pm 30^\circ$ ; $\pm 60^\circ$
Non linearity error	0.02%FR for $\pm 10^\circ$ ; 0.05%FR for $\pm 30^\circ$ ; 0.1%FR for $\pm 60^\circ$
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%/°C 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):

