Dual-Axis Servo-Inclinometer, model TSD-232

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. RS232 communication.

FEATURES:

- High accuracy closed loop operation
- Virtually infinite resolution
- Excellent repeatability
- High environmental resistance
- Supplied with 3m long cable

● SPECIFICATIONS:

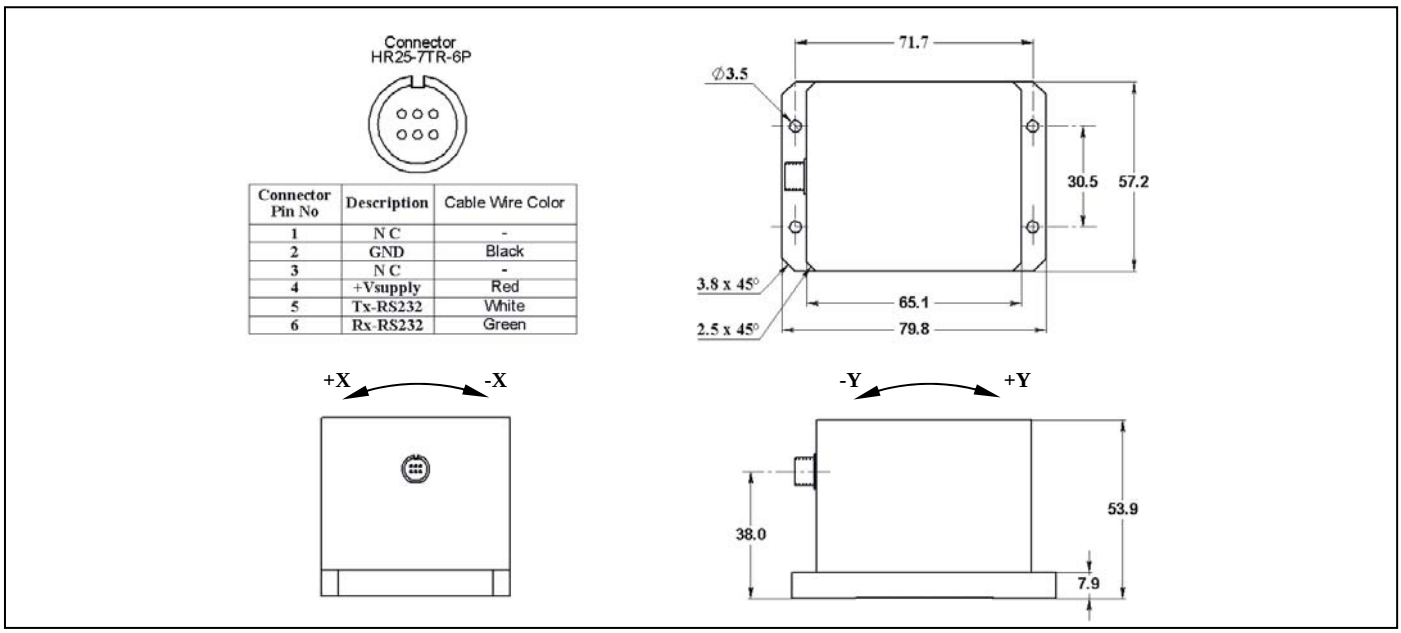
Measuring range	±5º ; ±10º ; ±30º ; ±60º
Non-linearity error [1)]	0.02%FR
Resolution	0.0001º for ±5º and ±10º range; 0.001º for ±30º and ±60º range
Non-repeatability & Hysteresis	< 0.005% FR
Sensitive axis misalignment	0.5º typ
Cross-axis sensitivity	<0.002g/g
Bias	<0.1% FR
Power supply	5VDC (±5%) or 7 to 24VDC unregulated; 100mA
Output	RS232
Step response	>150 msec
Zero temperature coefficient	0.0005º/ºC typ
Span temperature coefficient	0.01%/ºC typ
Temperature range	-30ºC to +70ºC operating; -40ºC to +85ºC survival
Maximum overload	100g constant acceleration
Shock survival	250g, 11msec
Housing material	Sulphuric anodized # 2024 Aluminum alloy
Weight	350 grams

1) Non-linearity error defined as maximum deviation of any point from the theoretical sine function line, in percent of the full measuring range.

How to order?

Ordering examples: TSD-232 with +/-5 measuring range and 24VDC unregulated supply will be named TSD-232-5-24V
TSD-232 with +/-60 measuring range and 5VDC regulated supply will be named TSD-232-60-5V

● DIMENSIONS (mm):



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