

Bi-axial accelerometer with temperature output

Accelerometer dynamic

FSO, ±10%, 24°C.....	±10 mV
Acceleration range(g)	500
Amplitude nonlinearity.....	1%
Frequency response(+/-5%).....	1~5000Hz
Transverse sensitivity, max.....	5% of axial
Power requirement: voltage source	18 - 30 VDC
current regulating diode	2 - 10 mA
Bias output voltage(typical).....	10 VDC
Residual noise, Broadband Spectral.....	1.2mg RMS
Output impedance.....	<100 Ω
Turn-on time.....	<2S
Operation temperature.....	-50 to 125°C
Temperature response.....	±10%
Sensing element design.....	PZT ceramic/shear

Temperature output

Sensing element.....	PT1000
Temperature range.....	–50 to 200°C
Temperature accuracy.....	0.3+0.005* t °C

Environmental

Insulation resistance(@500Vdc).....	>200 M Ω
Lighting insulation(@4000Vdc).....	>60S
Vibration limit.....	500 g peak
Shock limit.....	2,000 g peak
Sealing	IP68

Physical

Weight.....	160 grams max.
Case material.....	316 stainless steel
Mounting.....	M6X50
Output connector.....	Option

Accessories

Output with Amphenol connector
Calibration certificate

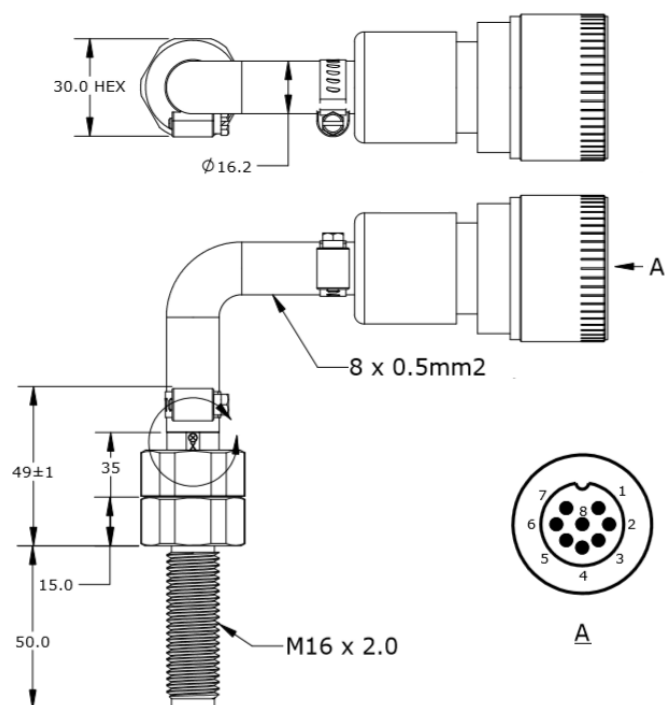


Features

- Waterproof design
- Bi-axial measurement
- Shock duration
- Flexible alignment

Application

- Vibration monitoring
- High speed train
- Aircraft testing



Ordering Information

521T-500-3

Special cable length(meter)

—Range in g

- Temperature
- Model