

Tri-axial Train bogie accelerometer



Features

- DC response
- 2g full scale
- Motion, low frequency, tilt
- Shock survivability
- Temperature compensation

Dynamic

FSO, $\pm 10\%$, 24°C.....	4~20 mA
Acceleration range(g)	2
Sensitivity(mA/g).....	4
Amplitude nonlinearity.....	1%
Frequency response(+/-5%).....	0 - 100 Hz
Transverse sensitivity, max.....	3% of axial

Electrical

Power requirement:	12 - 30 VDC
Zero current($\pm 5\%$).....	12mA
Residual noise, Broadband Spectral.....	10 μ ARMS
Output impedance.....	<100 Ω
Insulation resistance(@500VDC).....	>200 M Ω
High-voltage insulation test(@2500VAC).....	>60s
Turn-on time.....	<100 mS

Environmental

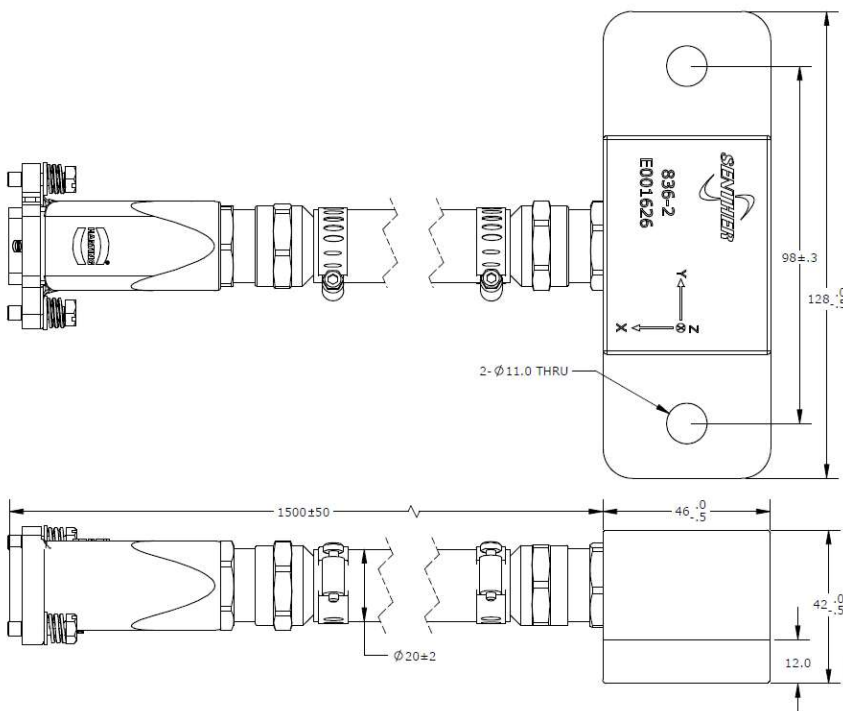
Temperature range.....	-45 to 85°C
Thermal zero shift(max. ref.24°C).....	$\pm 2.5\%$ FSO
Thermal sensitivity shift(max. ref.24°C).....	$\pm 3\%$
Vibration limit.....	100 g peak
Shock limit.....	1,000 g peak
Sealing	IP68

Physical

Sensing element.....	MEMS(VC)
Weight.....	450 grams
Case material.....	Stainless steel
Mounting.....	M10X18 Screws
Output connector.....	Option

Accessories

- 2x M10 Screws (Mounting torque 0.7 Nm)
- 5 Meter mating cable(or customers specified)
- Calibration certificate



Ordering Information

