



## Accelerometer with dual temperature output

### Dynamic

FSO, ±10%, 24°C.....	±2000 mV
Acceleration range(g) .....	200
Amplitude nonlinearity.....	1%
Frequency response(+/-5%).....	0~1000Hz
Transverse sensitivity, max.....	3% of axial

### Electrical

Power requirement: .....	8 - 36 VDC
Zero voltage.....	2.5±0.05V
Current consumption .....	<5 mA
Residual noise, Broadband Spectral.....	800µV RMS
Output impedance.....	<100 Ω
Insulation resistance(@500Vdc).....	>200 M Ω
Turn-on time.....	<100 mS

### Environmental

Operation temperature.....	-40 to 120°C
Compensation temperature.....	-40 to 85°C
Thermal zero shift(max. ref.24°C).....	±2.5%FSO
Thermal sensitivity shift(max. ref.24°C).....	±3%
Vibration limit.....	100 g peak
Shock limit.....	2,000 g peak
Sealing .....	IP68

### Temperature output

Sensing element.....	PT1000
Temperature range.....	-40 to 250°C
Temperature accuracy(B class).....	0.3+0.005* t °C

### Physical

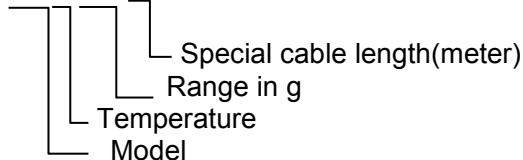
Sensing element.....	MEMS(VC)
Weight.....	200 grams max.
Case material.....	316 stainless steel
Mounting.....	M6X12 Screws
Output connector.....	Option

### Accessories

1.2 Meter mating cable(or customers specified)  
Calibration certificate

### Ordering Information

812T-200-3



### Features

- DC response
- 200g full scale
- Motion, low frequency
- Temperature compensation
- Dual temperature output

