

[LT-SMA] Series

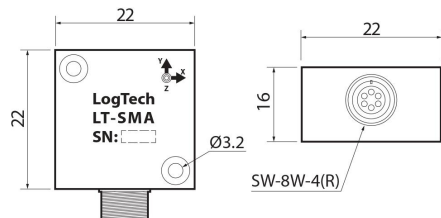
General purpose industrial acceleration sensor



APPLICATION

- Factory Automation
- Transfer System
- Compressors
- Cooling Tower
- Engines
- Gear Boxes
- Motors
- Pumps
- Fans
- Rails

Outline Dimensions



FEATURES

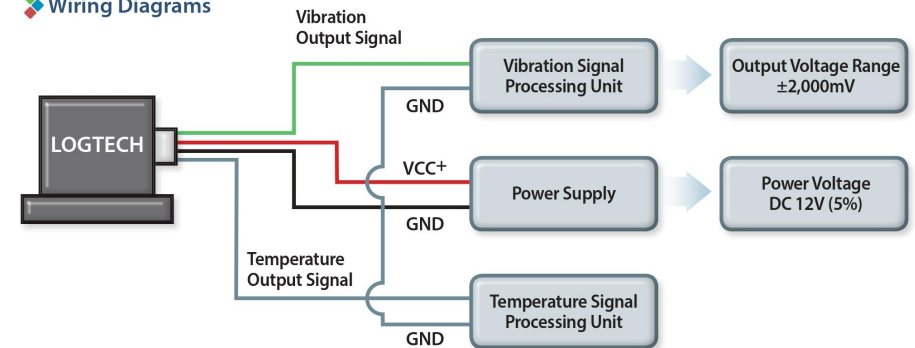
- Acceleration Response
- Small Size
- Hermetically Sealed
- Case Isolated
- ESD Protection
- Rugged Design
- Flexible wire

Specifications

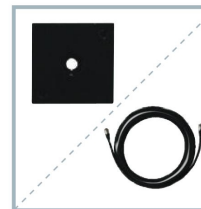
* Conversion Factor 1g = 9.81 m/s²

Dynamics		
Frequency Response	5 to 1,000Hz	< ±3dB
Measurement Range	±10 g	< ±5%
Sensitivity	100mV/g	< ±5%
Resonant Frequency	10 kHz	
Resolution	0.001 g	
Transverse Sensitivity	≤ 5 %	
Electrical		
Excitation Voltage	5 to 13VDC	*Nominal 12VDC
Output Bias Voltage	1,650 mV	
Full scale Output Voltage	1,650mV ± 1,000mV	
Case Isolation	> 100 MΩ	
Mechanical		
Connector Type	SW-8W-4R (4-Pin)	
Case Material	Duralumin	
Case Size	16 x 22 x 22 mm	
Weight	Approx. 25 g	
Environmental		
Shock Limit	1,000 g peak	
Enclosure Rating	IP67	
Temperature Range	- 20 to + 85 °C	

Wiring Diagrams



Related Other Products



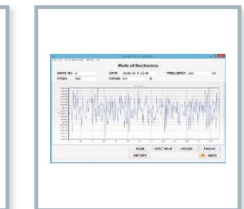
[LT-SMA]
Accessory /
Mounting adaptor /
Cable Assembly



[LT-V4]
Indicator /
Signal controller



[LT-SPU]
Signal conditioner



[LT-MMDS]
Analysis software

Ordering Information

LT - SMA			
	☐	☐	☐
Sensing Axis	Frequency Range	Measurement Range	
01 : 1-Axis	01 : 1,000 Hz	01 : ± 1g	
		02 : ± 5g	
		03 : ± 10g	