

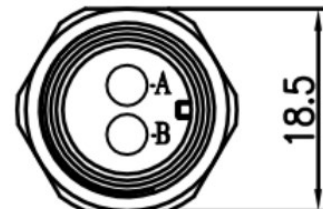
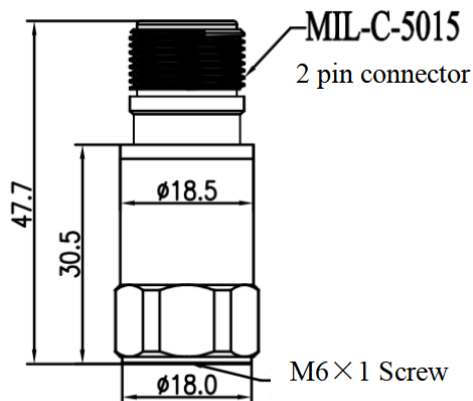
RH103 (T)

Accelerometer

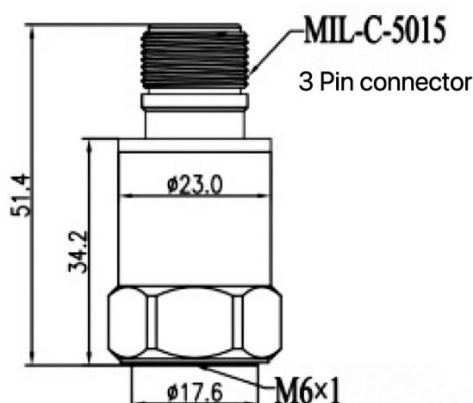
Product Overview

- Built-in IEPE circuit, isolation output, constant current source power supply
- Laser seal welded
- Use military connector. Suitable for harsh industrial site

Product Picture and Dimension



Connector	
Pin	Name
A	Vibration signal/Power
B	GND



Connector	
Pin	Name
A	Vibration signal/Power
B	Temperature
C	GND

RH103 (T) Accelerometer

Main Parameters

Parameters	Specification	Remark
Physical		
Dimension	RH103: 18.5mm×47.7mm RH103T: 23mm×51.4mm	Diameter × Height
Weight	RH103: 81g RH103T: 86g	
Mounting Thread	M6×1	
Seal Method	Laser welding	
Casting Material	316L Stainless Steel	
Output	RH103: Top output, 2-Pin MIL-C-5015 RH103T: Top output, 3-Pin MIL-C-5015	
Ambient Temperature	-55°C to +125°C	
Mounting Torque	About 2.7N.m to 6.8N.m (M6 thread)	
Protection Grade	IP68	
Maximal Shock Level	5000g	
Basic		
Sensitivity	100mv/g (±10%)	
Range	±50g peak	
Amplitude Linearity	≤1%	
Frequency Response (±10%)	0.7Hz to 10kHz	
Frequency Response (±3 dB)	0.4Hz to 15kHz	
Resonance Frequency	About 30kHz	
Transverse Sensitivity	≤5%	
Temperature Measuring Range	-40°C to 120°C	The temperature measurement function is an optional function, corresponding to the RH103T model
Temperature Sensitivity	10mv/°C	
Temperature Voltage Output	70mv (25°C)	

RH103 (T)

Accelerometer

Main Parameters

Parameters	Specification	Remark
Electrical		
Bias Voltage	10.5VDC to 13.5VDC typical: 12VDC	
Constant Current	2mA to 20mA typical: 4mA	
Excitation Voltage	18VDC to 30VDC typical: 24VDC	
Settling Time	≤2S	
Electrical Noise Power Spectral Density	10Hz 14μg/√Hz 100Hz 5μg/√Hz 1000Hz 3μg/√Hz	
Output Impedance	<100Ω	
Grounding	Housing isolation, internal shield- ing	
Others		
Certification	CE, EX	
Identification	Ex ia IICT4 Ga EX ia IIIC T ₂₀₀ 135°C Da	(Optional model for explosion proof area, corresponding to the EX RH103T model)