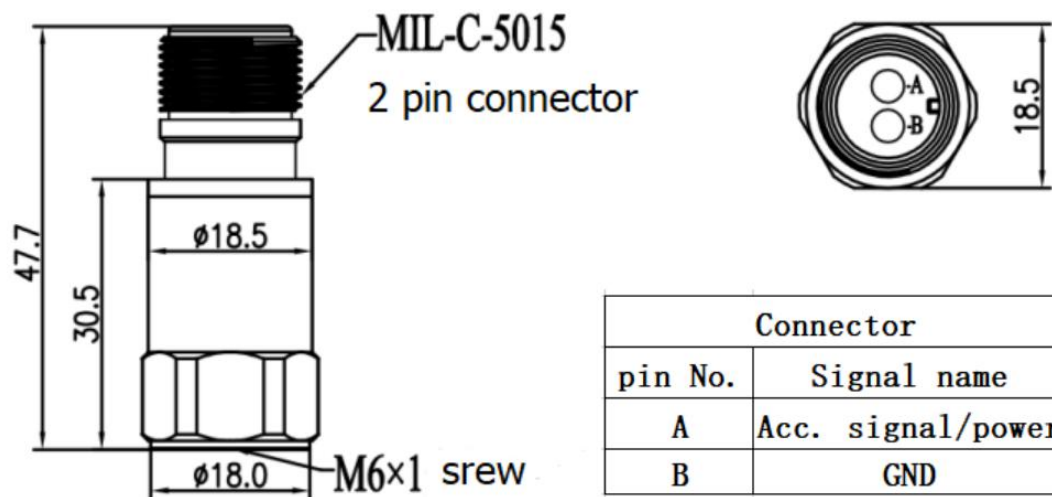


# RH103 Accelerometer Technical Specification

## 1 Product Introduction

- Built-in IEPE circuit, isolation output, constant current source power supply.
- Laser seal welded.
- Using military connector, can be used for on-line monitoring in harsh industrial sites



Connector	
pin No.	Signal name
A	Acc. signal/power
B	GND

## 2 Technical Specification

Parameters	Index
<b>Basic parameters</b>	
Sensitivity	100mv/g ( ± 10% )
Range	±80g peak
Linearity	≤ 1%
Frequency Response (±10%)	0.7~10000Hz
Frequency Response(±3 dB)	0.4~15000Hz
Resonance Frequency	About 30kHz
Transverse Sensitivity	≤ 5%
<b>Electrical character</b>	

Bias Voltage	10.5-13.5VDC typical: 12VDC
Constant Current	2-20mA typical: 4mA
Excitation Voltage	18-30VDC typical: 24VDC
Settling time	≤2S
Electrical noise power spectral density	10Hz      14 μg/√Hz 100Hz     5 μg/√Hz 1000Hz    3 μg/√Hz
Output Impedance	<100Ω
Grounding	Housing isolation, internal shielding
<b>Structural features</b>	
Maximal Shock Level	5000g
Mounting Thread	M6×1
Weight	61g
Dimension	Diameter × Height: 18.5×47.7 (mm)
Seal Method	Laser Welding
Protection Grade	IP68
Casting Material	316L stainless steel
Output	Top output, 2pins Mil-C-5015
Working Temperature	-40~+120℃
Mount Torque	About 2.7~6.8N.m (M6 thread)
Certificate	CE
<b>Explosion proof (Not standard, optional)</b>	
Identification	Ex ia IIC T4 Ga

## Unconditional Lifetime Warranty

RONDS reserves the right to make changes in this product catalogue.

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