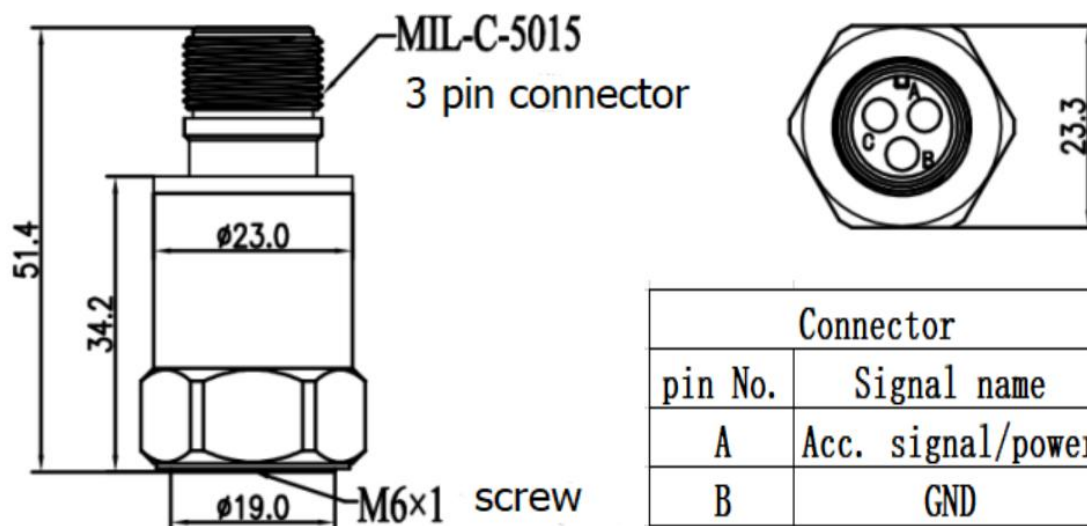


RH113 Accelerometer Technical Specification

1 Product Introduction

- Low frequency, high sensitivity.
- 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
Basic parameters	
Sensitivity	500mv/g (±10%)
Range	±10g peak
Linearity	≤1%
Frequency Response (±10%)	0.2~5000Hz
Frequency Response(±3 dB)	0.1~10000Hz
Resonance Frequency	About 16KHz
Transverse Sensitivity	≤5%
Electrical character	
Bias Voltage	10.5-13.5VDC typical: 12VDC

Constant Current	2-20mA typical: 4mA
Excitation Voltage	18-30VDC typical: 24VDC
Settling time	≤3S
Electrical noise	10Hz 14 μg/√Hz
power spectral	100Hz 5 μg/√Hz
density	1000Hz 3 μg/√Hz
Output Impedance	<100Ω
Grounding	Housing isolation, internal shielding
Structural Features	
Maximal Shock Level	5000g
Mount Thread	M6×1
Weight	102g
Dimension	Diameter × Height: 23×51.4 (mm)
Seal Method	Laser Welding
Protection Grade	IP68
Casting Material	316L Stainless Steel
Output	Top exit, 2pins Mil-C-5015
Temperature Range	-55~+125℃
Mount Torque	About 2.7~6.8N.m (M6 thread)
Certificate	CE
Explosion proof (Not standard, optional)	
Identification	Ex ia IIC T4 Ga

Unconditional Lifetime Warranty

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

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