

Acceleration sensor

RVT-120 Code: 600-1110

RVT-120M6 Code: 600-10556

Key features

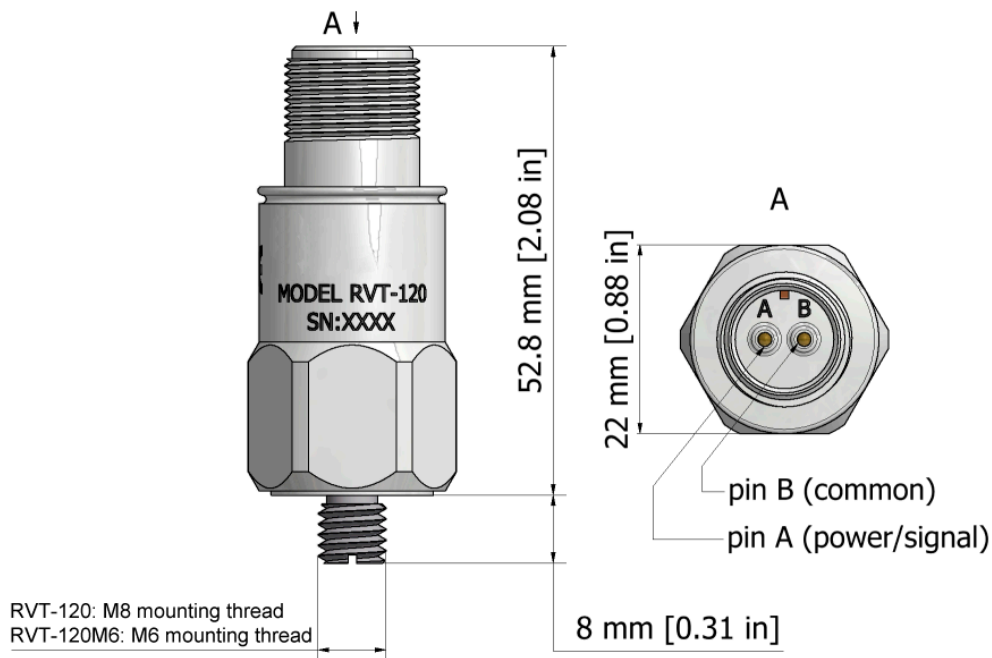
- Rugged design
- Corrosion resistant
- Hermetic seal
- ESD protection
- Reverse wiring protection
- EMI/RFI shielded
- Top exit connector
- Case isolated



RVT-120/RVT-120M6 is a high quality low profile industrial accelerometer for mechanical condition monitor. It can be used with on-line systems as well as portable data collectors.

RVT-120/RVT-120M6 is suitable for monitoring of most machinery in different speed ranges in e.g. following industries:

- Pulp and Paper
- Mining and mineral industry
- Power generation
- Steel industry



RVT-120/RVT-120M6 specifications

Dynamic

Sensitivity, $\pm 5\%$, 25 °C	100 mV/g
Acceleration range	80 g peak
Amplitude nonlinearity	1%
Frequency response	
$\pm 10\%$	1...9 000 Hz
± 3 dB	0.5...14 000 Hz
Resonance frequency, mounted, nominal	30 kHz
Transverse sensitivity, max.	5% of axial
Temperature response	$\pm 5\%$

Electrical

Power requirement	
Voltage source	18...30 VDC
Bias current	2...10 mA
Output impedance, max.	100 Ω
Bias output voltage	8...14 VDC
Grounding	Case isolated, internally shielded

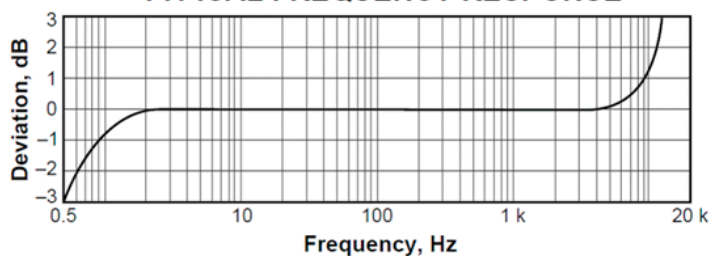
Environmental

Temperature range	-50...+120 °C
Vibration limit	500 g
Shock limit, min.	5 000 g peak
Sealing	Hermetic

Physical

Sensing element design	PZT ceramic, shear
Weight	90 g
Case material	316L stainless steel
Mounting	
RVT-120	M8 integral stud (6 Nm max. torque)
RVT-120M6	M6 integral stud (3.3 Nm max. torque)
Output connector	2 pin, MIL-C-5015 style
Pin A	Signal/power
Pin B	Common

TYPICAL FREQUENCY RESPONSE



TYPICAL TEMPERATURE RESPONSE

