

# Acceleration sensor

RVT-110 Code: 600-1130

## Key features

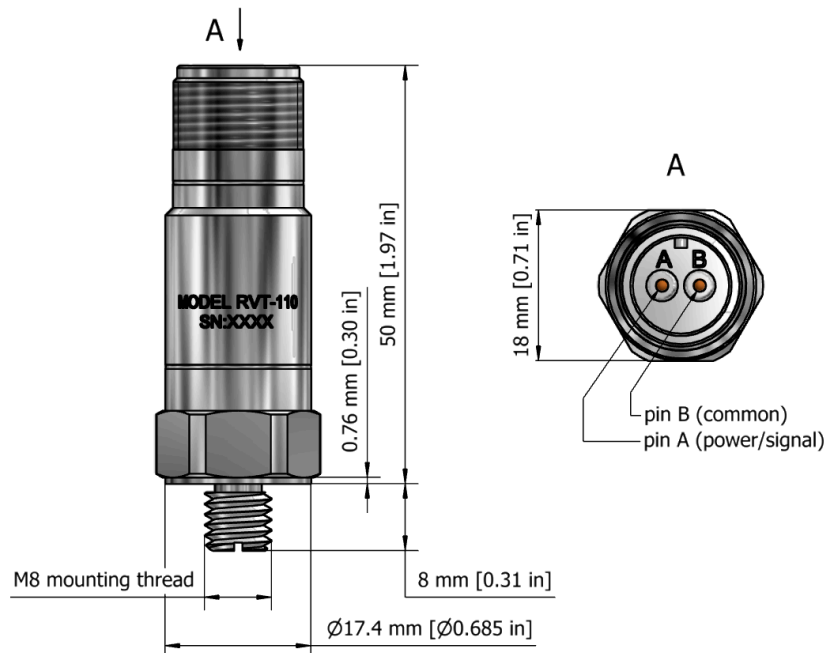
- Rugged design
- Corrosion resistant
- Hermetic seal
- ESD protection
- Reverse wiring protection
- EMI/RFI shielded
- Top exit connector
- Case isolated



RVT-110 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-110 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-110 specifications

<b>Dynamic</b>	Sensitivity, $\pm 5\%$ , 25 °C	10 mV/g
	Acceleration range	490 g peak
	Amplitude nonlinearity	1%
	Frequency response	1.7 ... 10 000 Hz
	$\pm 10\%$	0.8 ... 15 000 Hz
	$\pm 3$ dB	
	Resonance frequency, mounted, nominal	40 kHz
	Transverse sensitivity, max.	5% of axial
Temperature response	$\pm 5\%$	
<b>Electrical</b>	Power requirement	
	Voltage source	18...30 VDC
	Bias current	2...10 mA
	Output impedance, max.	100 $\Omega$
	Bias output voltage	8...14 VDC
Grounding	Case isolated, internally shielded	
<b>Environmental</b>	Temperature range	-54...+121 °C
	Shock limit, min.	4 900 g
	Sealing	Hermetic
<b>Physical</b>	Sensing element design	PZT ceramic, shear
	Weight	51 g
	Case material	316L stainless steel
	Mounting	M8 integral stud (6 Nm max. torque)
	Output connector	2 pin, MIL-C-5015 style
	Pin A	Signal/power
	Pin B	Common

Typical Sensitivity Deviation vs Temperature

