

Vibration velocity sensor, top exit

RVV-100 Code: 600-10028

Key features

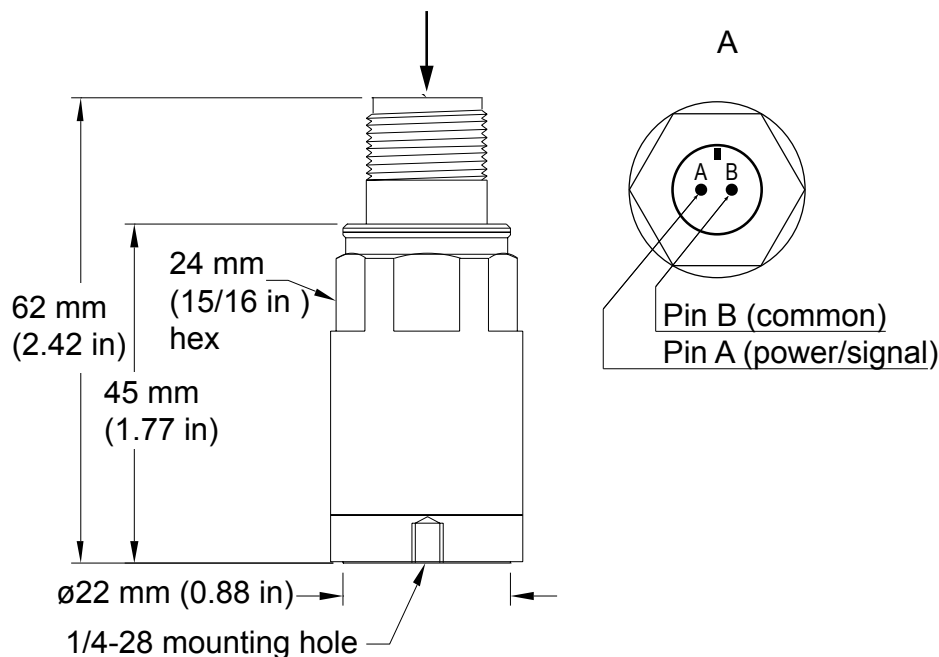
- Rugged design
- Corrosion resistant
- Hermetic seal
- ESD protection
- Reverse wiring protection
- EMI/RFI shielded
- Top exit connector
- Case isolated



RVV-100 is a high quality top exit vibration velocity sensor for mechanical condition monitoring. It can be used with on-line systems as well as portable data collectors.

RVV-100 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



RVV-100 specifications

Dynamic	Sensitivity, $\pm 5\%$, 25 °C	3.94 mV/mm/s (100 mV/in/s)
	Acceleration range	50 g peak
	Amplitude nonlinearity	2.5%
	Frequency response	3.0...3 500 Hz
	$\pm 10\%$	2.5...7 000 Hz
	± 3 dB	
	Resonance frequency, mounted, nominal	15 kHz
	Transverse sensitivity, max.	5% of axial
	Temperature response	-50 °C: -5% +80 °C: +3% +120 °C: -5%
Electrical	Power requirement	
	Voltage source	18...30 VDC
	Bias current	2...10 mA
	Output impedance, max.	200 Ω
	Bias output voltage	10 VDC
Environmental	Grounding	Case isolated, internally shielded
	Temperature range	-50...+120 °C
	Vibration limit	250 g peak
	Shock limit	5 000 g peak
Physical	Sealing	Hermetic
	Sensing element design	PZT ceramic
	Weight	145 g
	Case material	316L stainless steel
	Mounting	1/4-28 UNF / M8 mounting screw included
	Output connector	2 pin, MIL-C-5015 style
Pin A	Signal/power	
Pin B	Common	