

SensoNODE™ Vibration Sensor



Monitoring Vibration is Important for Preventive Maintenance of Machinery

Parker's SensoNODE Vibration Sensors provide a simple and effective way to measure vibration of industrial machinery. Sensors can easily be attached to any type of equipment to monitor vibrations in even the most difficult-to-reach locations. Be the first to know of developing issues with early notification alerts. Reduce maintenance costs and downtime by pinpointing the exact cause and location of a problem with clear and concise data.

- Vibration is the first indicator of an equipment problem or deterioration
- Compare vibration level to ISO 10816 standards
- Preventive maintenance is cost-effective and maintains a machines' integrity
- Sensors are versatile to record vibrations for a wide range of rotating machines

Continuous Remote Monitoring

Parker's SensoNODE Vibration Sensor and Voice of the Machine™ Cloud and Edge Software provide a continuous remote monitoring solution that gives you 24/7 access to your vibration data from anywhere with an internet connection. You will also receive alerts by email, text message or in-system of measurement deviations.



Sample & Trend Overall Vibration Levels

- Velocity – inches/sec, mm/sec
- Acceleration – g's, mm/sec²

Contact Information

Air Hydro Power Inc.
www.airhydropower.com
800. 292. 1672

Contact our SensoNode Specialist!
Adam Burks
aburks@airhydropower.com

Mounting Options

- Magnet
- 1/4-28 stud
- Epoxy

SensoNODE Vibration Sensor Features

- Configurable acceleration amplitude
- +/- 2g, 4g, 8g or 16g
- 6.4 Khz sampling frequency
- 3 axis measurement
- RMS & Peak acceleration or velocity
- Temperature

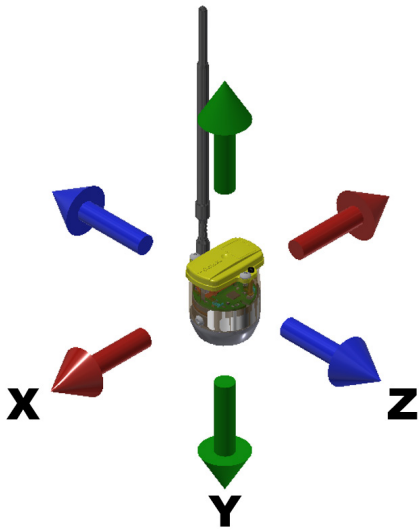


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Sensor Technical Data	
Housing Material	Polycarbonate
Base Material	Aluminum
Mounting Options	Magnet, 1/4-28 stud, Epoxy
Certifications	FCC, IC, CE
Battery (Panasonic is recommended brand)	CR123A
IP Rating	IP65

Measurement Axes



Acceleration Technical Data	
Acceleration Range	+/-2,+/-4, +/-8, +/-16 g absolute [configurable]
Frequency Range	1 Hz to 3200hz
Sampling Frequency	6.4 KHz
Measurement Output	Peak & RMS acceleration over frequency range; Temperature
Measurement Axes	X,Y, Z
Resolution (Peak)	+/- 2 g range = 1 mg, +/-4 g range = 2mg, +/-8 g range = 4mg, +/-16 g range = 8mg
Temperature Sensor	-40 to +85 C
Samples Per Acquisition	800 samples
Filter Specs	DC offset removal

Velocity Technical Data	
Velocity Range	0 - 327 mm/sec
Frequency Range	7.5 Hz to 3200 Hz
Sampling Frequency	6.4 KHz
Measurement Output	Peak & RMS velocity over frequency range; Temperature
Measurement Axes	X, Y, Z
Resolution	0.01 mm/sec
Temperature Sensor	-40 to +85 C
Samples Per Acquisition	2200 samples
Filter Specs	7th order butterworth digital high pass filter, 60 dB down at 3 Hz, 3 db down at 7.5 Hz.

Part Number	Base Mounting Thread	D	H
SNVT2-1632-2	1/4-28 UNF	1.88" [48mm]	2.05" [52mm]

