

Brochure

The premier vibration sensor for Machine Learning and AI software. Digitally delivering the most accurate, precise, high resolution machine data.



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TriVibe enhances **ML/AI vibration visualization** by delivering **world-class resolution data**:

- Over **50,000 samples per second** available: High Resolution
- **Customizable** dynamic data output. High pass, low pass, band pass filters available in the sensor.
- Digitally **integrateable** to any gateway or system via RS485 port.
- Customizable **overall data** output to your machine application.
- Source code available in Python on Jupyter notebooks for **easy integration and programming**.

Manufactured for **quality** and an extremely **long lifespan**:

- **USA** designed and manufactured.
- **Design specific** for customers' machine application.
- **Mounting options**: drilled and tapped with 1/4" - 28, or M6 bolt, magnet and epoxy
- **1 year warranty** by default, extendable to 5 year.
- Filling demand for **over 10,000** units per year currently.
- **Redundant accelerometers** on each access capable of verifying calibration throughout lifespan of sensor. **6 total accelerometers** in each sensor (2 per axis).

Designed for all **specifications** and **applications** where vibration is needed:

- **Daisy chained** to **cut down** on wiring installation **costs**.
- 0.8 Hz to **6000 Hz**
- **Impact monitoring** mode for compressor cylinders and reciprocating pumps.
- Measures **temperature** with an internal RTD.
- **3 Axis** monitoring.
- **CSA, UL, CE, RCM, IECEx certified**.
- **Hazardous locations**: suitable mounting options and approvals.
- Submersible capable of continuously operating in up to **30 feet (9m)** of fresh water
- **IP68 waterproof** standard

Designed to make continuous vibration data collection easy.
Imagined to deliver high fidelity vibration data like never before.
Quality that lasts a lifetime.



Daisy Chained
 Modbus RS485
 Set up.
 Gateway
 pictured: Moxa



Measured Outputs:



Vibration data output options:

- Raw Dynamic Data
- Vibration Spectrum

- Overall Trends
- High Pass
- Low Pass
- Band Pass



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