

# 883M digital triaxial MEMS accelerometer



## Solves these common problems:

- Eliminates the requirement to convert vibration data to 4-20mA output to use with digital systems like SCADA
- Single-axis measurements may miss faults that present as vibration in other axes



Features	Benefits	Value
Digital vibration data	IIoT edge processing	Empowers operators with data
	Connection to local, plant, cloud, and enterprise data systems	
Triaxial vibration, temperature measurements	A single sensor with 4 machine fault diagnostics parameters	More vibration data for trending accuracy
Flat frequency response up to 5 kHz	Sensor mechanical design eliminates resonance instead of filtering it out (damping, not over processing), which would remove relevant vibration content	Very accurate, high resolution measurements
RS485 communication	Digital output vibration spectrum, time waveforms, and vibration characteristics	Directly compatible with current industrial protocols and equipment
Modbus RTU protocol	Common encoding mechanism with stable data transmission	



## Typical users

- Instrumentation engineers
- Maintenance engineers
- Operations
- Reliability engineers
- Vibration analysts/consultants



## Ideal markets and applications

- Rotating machinery
- Transmission systems
- Manufacturing equipment
- HVAC systems
- Industrial automation process monitoring
- Machine tool monitoring
- Semiconductor manufacturing
- Clean room processes and areas