



	DYNAMIC SENSORS	4-20mA SENSORS
		
Output Type	Dynamic voltage output	4-20mA analog current loop power output
Permanent Measurement	✓	✓
Portable Measurement	✓	
Available Frequency Range	Full frequency range available	Limited pre-configured frequency ranges
Cable Attenuation	High frequency attenuation occurs at long cable lengths (+800 ft)	Little to no attenuation occurs at long cable lengths
Diagnostic Information Provided	<ul style="list-style-type: none"> ▶ Provides a timewave form signal that a data analyzer can perform a FFT on to create a spectrum as well as other analysis programs ▶ Provides maximum information about specific problems occurring within the machine, to diagnose the root cause ▶ Provides diagnostic information that can pinpoint vibration issues and reduces overall cost of maintenance and repairs 	<ul style="list-style-type: none"> ▶ Provides output proportional to overall amplitude in selected frequency bands for trending alarms ▶ Provides little information that can assist in diagnosing what is causing the vibration ▶ Provides continuous output to PLC/DCS system for alarms to trigger shutdowns before catastrophic failures. No change in vibration will go undetected
Great for Use With	Portable data analyzers and online monitoring systems	PLC, DCS, and SCADA systems
Top and Side Exit Configurations Available	✓	✓
Molded Integral and Armored Integral Options Available	✓	✓
Hazardous Rated Options Available	✓	✓
Dual Output and Multi-Axis Options	Dual output - temperature / vibration, biaxial, and triaxial	Dual output - temperature / vibration or 4-20mA / dynamic output
Maximum Temperature	High temperature resistance options available (up to 650 °F / 343 °C)	Maximum temperature: 212 °F / 100 °C
Backed by the CTC Line's Unconditional Lifetime Warranty	✓	✓