DYNAMIC vs. 4-20 mA SENSORS
COMPARISON CHART

	Dynamic Sensors	4-20 mA Sensors
		
Output Type	Dynamic Voltage Output	4-20 mA analog current loop power output
Permanent Measurement	✓	✓
Portable Measurement	✓	--
Available Frequency Range	Full frequency range available	Limited preconfigured frequency ranges available
Cable Attenuation	Occurs over long cable lengths	Little to none occurs over long cable lengths
Diagnostic Information Provided	Provides a time waveform signal that a data analyzer can perform an 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 the overall cost of maintenance and repairs	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 failure occurs; no change in vibration goes unnoticed
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 Cable Options Available	✓	✓
Hazardous Rated Options Available	✓	✓
Dual Output and Multi-Axis Options Available	Dual Output Biaxial Triaxial	Dual Output Triaxial
Maximum Temperature	High-temperature resistance options available: 325 °F (162 °C)	LP200 / LP300 Series: 212 °F (100 °C) LP500 / LP600 Series: 257 °F (125 °C) LPH800 / LPH900 Series: 257 °F (125 °C)