4 to 20mA Vibration Transmitters for Monitoring Gas Pipeline Pumping Stations in Hazardous Areas

IMI Sensors, a division of PCB Piezotronics, Inc., announces the availability of hazardous area-approved versions of the company's Series 640 industrial vibration transmitters for monitoring motors and pumps at natural gas pipeline pumping stations. These rugged and reliable two-wire, loop powered, 4 to 20 mA vibration sensors are manufactured to meet specific natural gas industry design requirements, including certification in accordance with ATEX and CSA for use in hazardous areas.

Vibration monitoring of motors and pumps at natural gas pipeline pumping stations has proven effective for determining machinery health, planning maintenance intervals, reducing downtime, and avoiding catastrophic loss. IMI's Series 640 provides a 4 to 20 mA output signal that is proportional to the overall vibration level of the machine being monitored. Powered by a 12 to 30 VDC source, the output

wire can be connected to any existing PLC, DCS, and SCADA systems.

The Series 640 vibration sensors are enclosed in welded, hermetically sealed, stainless steel housings. Explosion-proof versions of these transmitters are also available. Sensors that offer hazardous area certifications are widely used on gas and oil well heads, supply lines, natural gas reciprocating engines, multi-stage gas compressors, and other machinery operating in hazardous environments.

Source URL (retrieved on *04/25/2015 - 12:56am*):
http://www.wirelessdesignmag.com/product-releases/2010/12/4-20ma-vibration-transmitters-monitoring-gas-pipeline-pumping-stations-hazardous-areas?qt-blogs=0