Transmitter Turns Accelerometers into 24-7 Vibration Monitoring Sensors

IMI Sensors – a division of PCB Piezotronics, Inc., announces the release of their model 682A09 ICP In-Line 4-20 mA Vibration Transmitter.

Another IMI Sensors industry-first, the model 682A09 installs in line with any industrial accelerometer and converts the vibration signal to a 4-20 mA velocity output that can be trended with today's PLC, DCS or SCADA control room systems. Its sleek design installs right into the cable run, no DIN rails, cabinets or special power required. Now customers can take their existing accelerometers and turn them into 24/7 vibration monitoring devices for their most critical machinery.

The 682A09 is a stainless steel, hermetically sealed design capable of operating in the harshest environments with 2-pin MIL connector input and 3-pin MIL connector output. It accepts a 100 mV/g analog signal, converts to 4-20 mA output and operates off of loop-power supplied by the PLC, DCS or SCADA system. In addition, the 682A09 outputs the 100 mV/g analog signal via its 3-pin output connector. The analog signal can be run to a central collection point, allowing the user to maintain the FFT capability of the original system.

IMI Sensors is dedicated to addressing the machinery vibration sensing needs for condition monitoring, predictive maintenance, and process control requirements. All IMI sensors and vibration switches are designed to withstand the rigors of harsh industrial environments. Included are sensors that interface directly with vibration data collectors and analysis equipment, as well as process monitoring equipment, PLC, DCS, alarm, and SCADA systems. For more information about IMI Sensors please call us anytime at 800-959-4464, or visit www.imi-sensors.com [1].

PCB Piezotronics, Inc. is a global leader in the design and manufacture of force, torque, load, strain, pressure, acoustic and vibration sensors, as well as the pioneer of ICP technology. This instrumentation is used for test, measurement, monitoring, and feedback control requirements in automotive, aerospace, industrial, R&D, military, educational, commercial, and OEM applications. From ready-to-ship stock products, to custom-made specials, PCB proudly stands behind all products with services customers value most, including 24-hour customer support, a strategic global distribution network, and Total Customer Satisfaction. For more information about PCB and the company's Lifetime Warranty Plus guarantee visit www.pcb.com [2].

Source URL (retrieved on *12/12/2013 - 12:14pm*):
http://www.ecnmag.com/product-releases/2010/05/transmitter-turns-accelerometers-24-7-vibration-monitoring-sensors?qt-video_of_the_day=0

Links:
[1] http://www.imi-sensors.com
[2] http://www.pcb.com