ROTARY SCREW COMPRESSORS
Rotary screw compressors, both oil-free and oil-flooded, can provide a unique set of challenges to the predictive maintenance professional. Accelerometers used in these applications must be capable of detecting vibration through a very wide frequency band allowing the user to pickup faults such as pitting in the race of the bearings, oil injection issues or rotor mesh. Mounting is generally recommended on the casing of the compressor as close to the radial bearings as possible. A comprehensive predictive maintenance program that includes monitoring vibration on typically critical rotary screw compressors can improve downtime and increase efficiency with maintenance scheduled in advance of catastrophic failure.

**PRECISION ACCELEROMETER MODELS 622B01 AND M622B01**
- Full frequency sweep calibration: 5% sensitivity deviation tolerance
- 15 kHz high frequency response ideal for early detection of bearing fluting conditions
- Ideal for route-based data collection

**VERY HIGH FREQUENCY ACCELEROMETER MODEL 621C40**
- 30 kHz frequency, even with magnet
- Titanium housing
- Smallest available footprint

**PRECISION ACCELEROMETER MODELS 600A11A**
- IECEx
- High frequency response to 30 kHz, even when mounted magnetically
- Supplied with 5 ft. cable with BNC plug termination
- Kit features Model 621C40 accelerometer with titanium housing
ACCESORIES

CABLES & CONNECTORS

COILED TPE CABLE WITH BNC PLUG TO 2-PIN MIL CONNECTOR
050LQ006AC CABLEING

POLYURETHANE CABLE WITH BNC PLUG TO 2-PIN MIL-STYLE CONNECTOR
508BR010AC CABLEING

LIGHTWEIGHT COAXIAL CABLE WITH BNC PLUG TO 5-44 MICRODOT PLUG
018C05 CABLEING

MOUNTING HARDWARE

SENSOR MOUNTING PAD
MODEL 080A93: Ø0.75”
MODEL 080A118: Ø1.0”

FLAT SURFACE MAGNET
MODEL 080A121

CURVED SURFACE MAGNET
MODEL 080A131: Ø1.0”
MODEL 080A132: Ø1.5”

HIGH FREQUENCY MAGNET
MODEL 080A157

ENCLOSURES

BNC TERMINATION ENCLOSURE
MODEL 691A51/04

BNC SWITCH BOX
MODEL 691C41

BNC SWITCH BOX
MODEL 691C42

BNC TERMINATION ENCLOSURE
MODEL 691A50/12

SENSOR MOUNTING PAD
MODEL 080A93: Ø0.75”
MODEL 080A118: Ø1.0”
MTS Sensors, a division of MTS Systems Corporation (NASDAQ: MTSC), vastly expanded its range of products and solutions after MTS acquired PCB Piezotronics, Inc. in July, 2016. PCB Piezotronics, Inc. is a wholly owned subsidiary of MTS Systems Corporation. Additional information on MTS can be found at www.mts.com.

IMI Sensors, a division of PCB Piezotronics, Inc. manufactures industrial vibration monitoring instrumentation, such as accelerometers, vibration transmitters and switches that feature rugged stainless steel housings and survive in harsh environments like paper and steel mills, mines, gas turbines, water treatment facilities and power plants. Integrating with portable analyzers and PLC’s, IMI instrumentation helps maintenance departments reduce downtime and protect critical machinery. Visit IMI Sensors at www.pcb.com. PCB Piezotronics, Inc. is a wholly owned subsidiary of MTS Systems Corporation. Additional information on MTS can be found at www.mts.com.

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