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 600A12A**

This high frequency 10 mV/g accelerometer kit features a very small accelerometer with a magnet and cable assembly
- 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
ACCESSORIES

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
  508R010AC 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
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; IMI Sensors and Larson Davis are divisions of PCB Piezotronics, Inc.; Accumetrics, Inc. and The Modal Shop, Inc. are subsidiaries of PCB Piezotronics, Inc.