



ROTARY SCREW COMPRESSORS

 **IMI SENSORS**
A PCB DIVISION

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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.

CE



PRECISION ACCELEROMETER

MODELS 622B01, 622B11 AND 622B61

Full frequency sweep calibration:
5% sensitivity deviation tolerance

15 kHz high frequency response ideal for early detection of bearing faults

Ideal for route-based data collection

Integral cable with or without armor available

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VERY HIGH FREQUENCY ACCELEROMETER

MODEL 621C40

30 kHz frequency, even with magnet

Titanium housing

Smallest available footprint

CE



PRECISION ACCELEROMETER

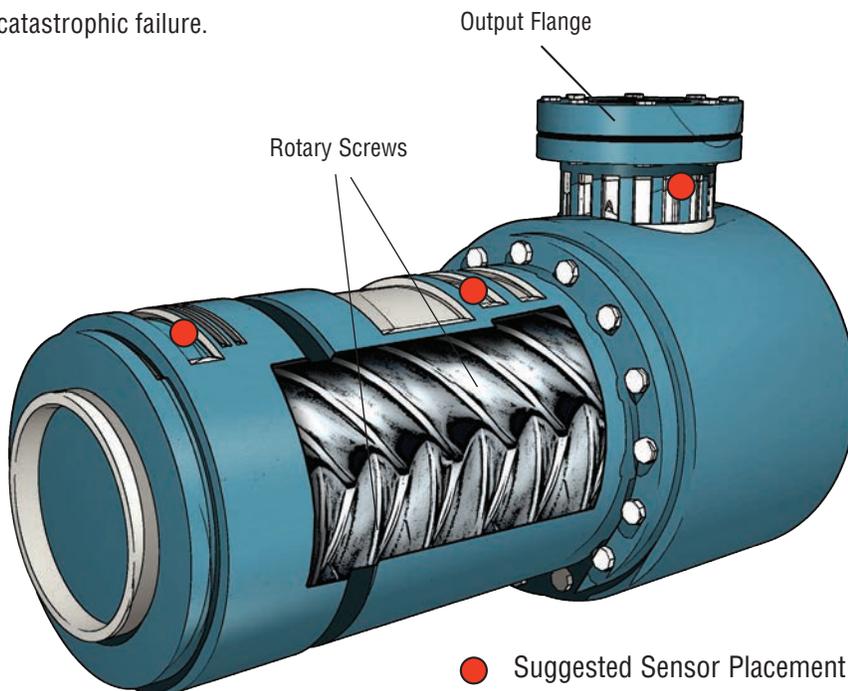
MODEL 600A12A

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

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

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

MOUNTING HARDWARE

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

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FLAT SURFACE MAGNET
MODEL 080A121

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

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HIGH FREQUENCY MAGNET
MODEL 080A157

ENCLOSURES

CE



12-CHANNEL BNC TERMINATION ENCLOSURE
MODELS 691A50/12, SS691A50/12

Stainless steel available

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4-CHANNEL BNC TERMINATION ENCLOSURE
MODEL 691A51/04

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6-CHANNEL BNC SWITCH BOX
MODELS 691C41, SS691C41

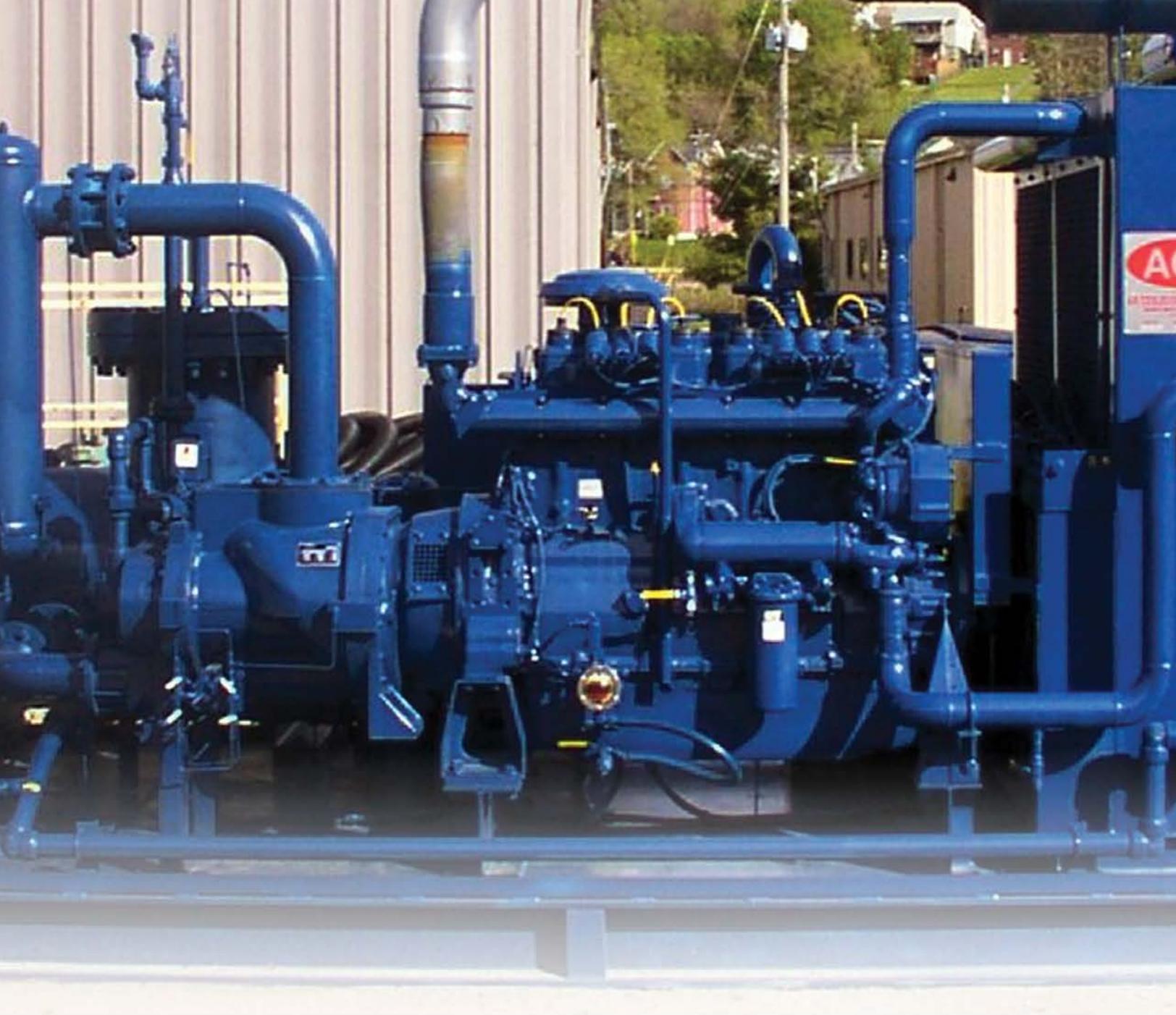
Stainless steel available

CE



12-CHANNEL BNC SWITCH BOX
MODELS 691C42, SS691C42

Stainless steel available



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