



RECIPROCATING MACHINERY

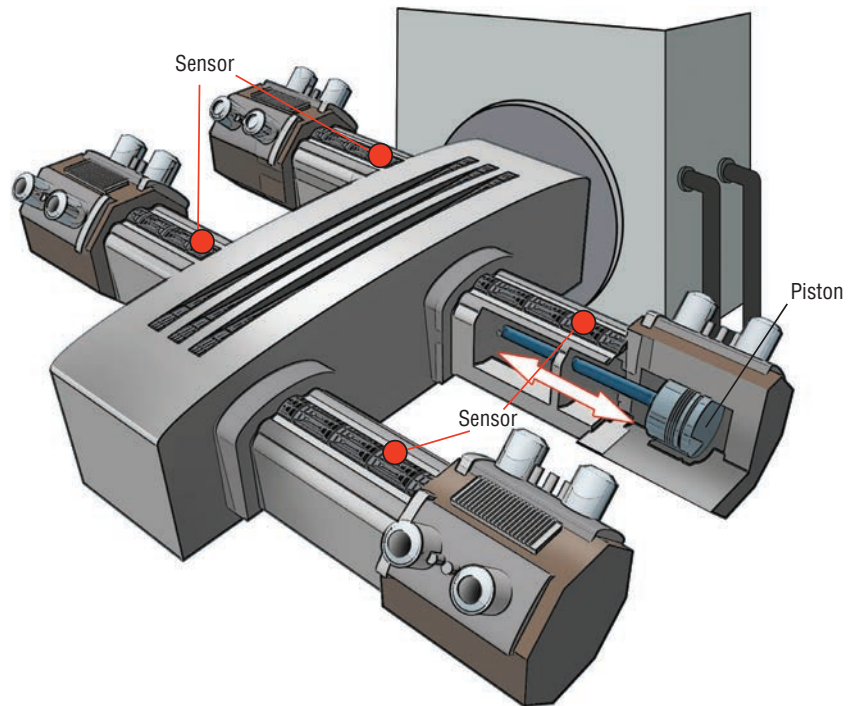
 **IMI SENSORS**
A PCB DIVISION

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RECIPROCATING MACHINERY

Years of frustrating unanticipated reciprocating compressor failures have led to the development of the IMI® Reciprocating Machinery Protector (RMP). IMI developed the RMP product line to detect impacts caused by looseness of internal parts. Depending on the amplitude of the impact and how many times the impact occurs within a specified time window, the appropriate 4-20 mA signal is provided. The industry leading USB programming capability makes it easy to match the RMP to any reciprocating application. For properly running machinery, the IMI® RMP allows you to trend peak acceleration data.



● Suggested Sensor Placement



CERAMIC SHEAR ICP® ACCELEROMETER

SERIES EX622B01

- Sensitivity: ($\pm 5\%$) 100 mV/g (10.2 mV/(m/s²))
- Frequency Range: ($\pm 3\text{dB}$) 12 to 900000 cpm (0.2 to 15000 Hz)
- Sensing Element: Ceramic
- Measurement Range: ± 50 g (± 490 m/s²)
- Weight: 3.3 oz (94 gm)



4-20 MA PRESSURE SENSOR

SERIES 1503

- Mounts on the compressor
- Withstands sour gas environments
- 1/2" NPT fitting



RECIPROCATING MACHINERY PROTECTOR

MODEL 649A01

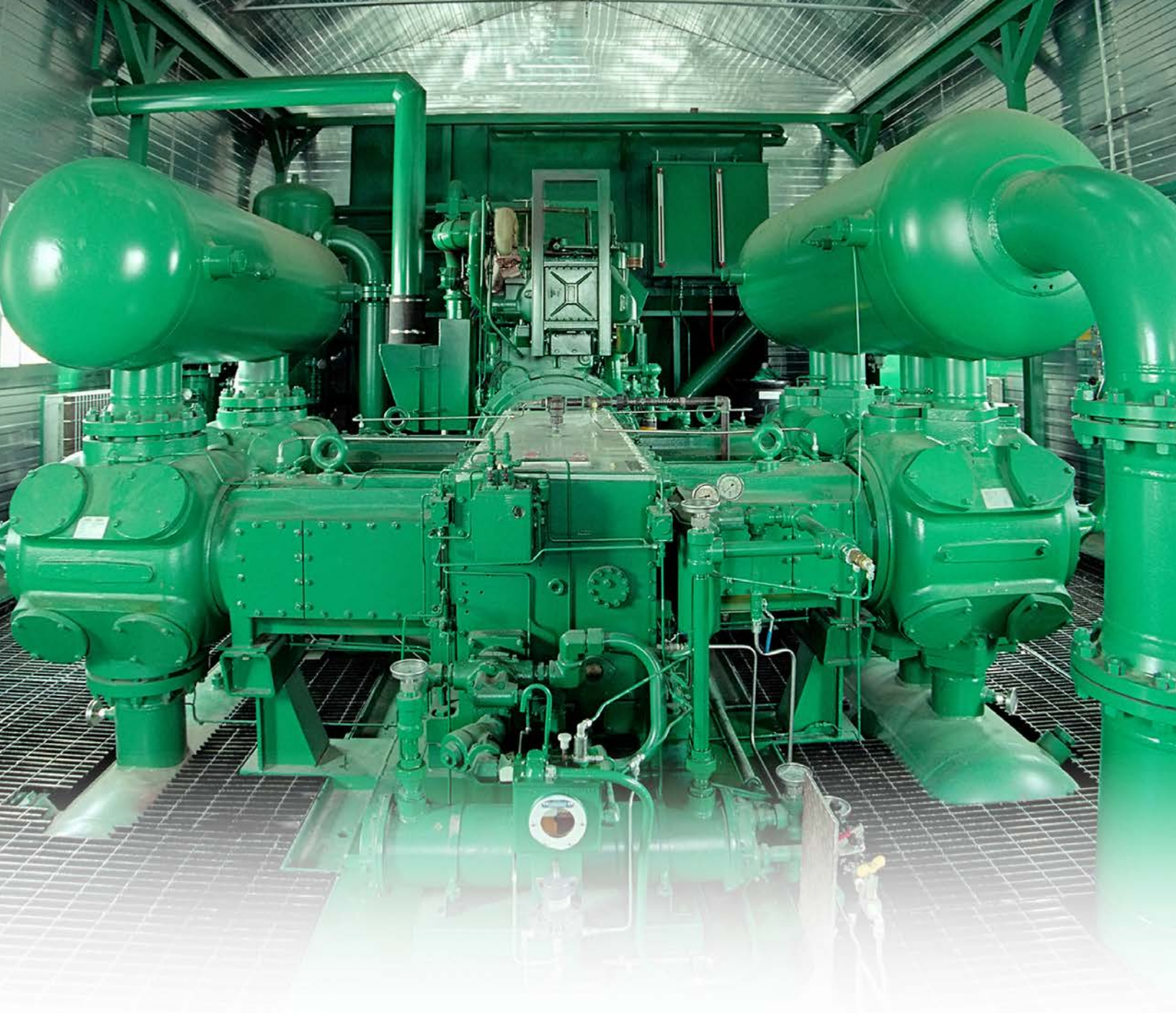
- Detects faults / mechanical looseness in reciprocating compressors
- Outperforms impact transmitters
- Continuous trending, with alarm & alert levels for early warning



USB PROGRAMMING KIT

MODEL 600A35

- Customize settings on your USB programmable sensor
- Kit includes CD-ROM software & cable adapters



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IMI Sensors offers a wide range of industrial vibration sensors, bearing fault detectors, mechanical vibration switches, panel meters, cables, and accessories for predictive maintenance and equipment protection. For power generation and energy applications requiring precision measurements, IMI also offers pressure sensors and accelerometers.

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