Vibration monitoring of vibrating screens and feeders is critical to determining machinery health and preventing overloading or catastrophic damage to equipment. Because this type of equipment is intended to operate with high levels of vibration, low sensitivity high range sensors are optimal. Because these types of processes are often dirty, wet and debris may damage cables, therefore armor jacketed cables are recommended.

4-20 MA TRANSMITTERS

- **4-20 MA OUTPUT TRANSMITTER**
  - MODEL 642AXX
  - Cost-effective 4-20 mA output sensor
  - Available in top or side exit casings
  - Ruggedized industrial design

- **4-20 MA OUTPUT TRANSMITTER**
  - MODEL EX640B71
  - Available in velocity or acceleration output
  - ATEX / CSA approved with explosion proof conduit
  - Top exit, 2-pole terminal block

- **4-20 MA SENSOR RETRANSMIT MODULE**
  - MODEL 682C03
  - Accepts ICP® sensor input, outputs 4-20 mA proportional to vibration
  - Selectable displacement, velocity, or acceleration output
  - Analog vibration output via front BNC for fault diagnostics
RELAY PRODUCTS

LINEAR ADJUST MECHANICAL VIBRATION SWITCH
MODEL 685AX9
- Patent pending, spring-loaded, magnetically coupled mechanism
- Cost-effective protection for less critical applications
- Manual and remote reset options available

ELECTRONIC VIBRATION SWITCH
SERIES 685B
- Lower cost than competitive models
- Dual set points (relays)
- Explosion proof options available

USB PROGRAMMABLE SMART SWITCH
SERIES 686
- Programmable delays eliminate false trips
- Competitive price compared to mechanical switches
- Explosion proof options available

UNIVERSAL TRANSMITTER
MODEL 682A06
- Optional front panel programmer with LCD display
- Provides loop power
- Accepts mA, ohm, RTD and thermocouple
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.