



Vibratory Screens & Feeders

Meeting the Demands of Environmental Vibration
Measurement & Trending Applications

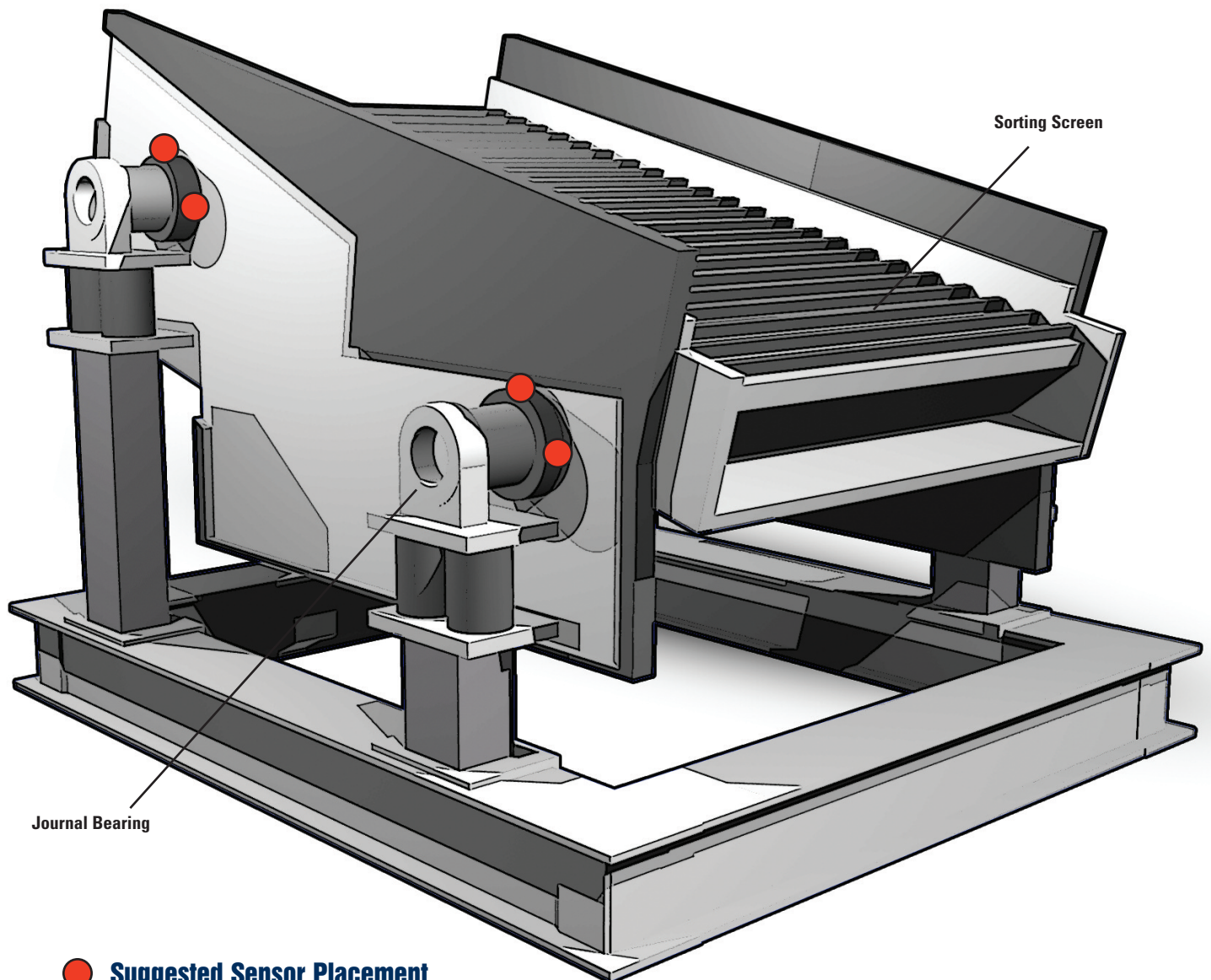


 **IMI SENSORS**
A PCB PIEZOTRONICS DIV.

Process Monitoring & Protection

Vibratory Screens & Feeders

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 - Process Monitoring & Protection



4-20 mA Output Transmitter
Series 642

- Cost-effective 4-20 mA output sensor
- Available in top or side exit casings
- Ruggedized industrial design



**Intrinsically Safe
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 682B03

- 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

Vibration Switches - Process Monitoring & Protection



**Linear Adjust Mechanical
Vibration Switch**
Series 685A

- 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
Model 686B01

- Programmable delays eliminate false trips
- Competitive price compared to mechanical switches
- Explosion proof options available

Vibratory Screens & Feeders Accessories

Accessories for 4-20 mA Transmitters



**Armor Jacketed, PTFE Jacketed Cable
with MIL Connector to Blunt Cut**
048BPXXBZ



Sensor Mounting Pad
Model 080A91: Ø1.375"



**Mounting Stud for
Side Exit Transmitters**
Model 080A162

Accessories for Vibration Switches



**Polyurethane Cabling with
Right Angle MIL-Style Connector**
052BQXXBZ



Adapter Plate for Model 685B
Model 080A209



USB Programming Kit for Model 686B
600A15 Kit

XXX = Denote cable length, 010 = 10 feet (Metric lengths available)



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