

438R SINGLE-CHANNEL VIBRATION MONITOR FEATURES

1. The 438R monitors the vibration of rotating machinery by way of a vibration transducer mounted directly to the machine, which can be up to 1,000 ft from the 438R electronics enclosure.
2. The 438R is specifically designed for applications where the mounting space is limited, the monitoring point is a rounded surface, such as a bearing block, or where temperatures exceed 160 F.
3. The 438R can be supplied with either a velocity or acceleration transducer based upon your particular application and/or environment.
4. Typical applications include fans, pumps, motors, centrifuges and cooling towers.
5. The 438R is ideally suited for applications where the electronics need to be accessed but the point to be monitored is in an inaccessible or dangerous area, such as a cooling tower fan, overhead conveyor or remote pumping station.
6. The vibration level can be displayed on any external device which can accept a 4 to 20 mA DC analog signal.
7. The electronics enclosure and remote transducers can be supplied for use in NEMA 4 or Explosion Proof environments.
8. Gives early warning of typical machine problems, such as imbalance and misalignment, as well as defective bearings, gears and belts.
9. Notifies operators when unacceptable vibration levels have been reached to allow them to plan corrective actions in advance.
10. Supplies the capability to shut down the rotating equipment when the vibration level reaches a point where the equipment is no longer safe to operate.
11. The AC and DC signal outputs allow for analysis and communication of vibration level to external devices for display, trending and control.
12. Enclosures suitable for indoor, outdoor and explosive environments.