

Trane® Vibration Monitoring



Protect Critical Chillers with Continuous Vibration Monitoring

Unexpected equipment failures can disrupt operations, increase repair costs, and impact business performance. The Trane® Vibration Monitor is a connected service solution that continuously monitors compressor motor vibration on qualifying Trane centrifugal chillers. By identifying developing equipment issues early, it helps customers reduce risk, improve reliability, and make proactive maintenance decisions before problems become costly failures.

Trane Vibration Monitoring Helps You:



Reduce Unexpected Downtime

Identify developing equipment issues before they lead to unplanned shutdowns.



Extend Equipment Life

Address issues early to help reduce equipment wear and avoid unnecessary damage.



Lower Lifecycle Costs

Focus maintenance where it's needed most while helping to reduce costly emergency repairs.



Improve Maintenance Planning

Gain greater visibility into equipment condition to better plan service and capital investments.



How It Works

✓ Continuous Monitoring

Sensors continuously collect compressor motor vibration data during normal equipment operation and send this data to the Trane Cloud where it gets stored and analyzed for abnormal patterns

✓ Condition Visibility

Equipment performance is evaluated to help identify developing issues before they become critical failures.

✓ Proactive Response

If the vibration signature of the compressor falls outside of an expected range, an early notification will be sent. These early notifications help address potential concerns before they result in unplanned downtime.

IDEAL APPLICATIONS

Trane Vibration Monitoring is well suited for facilities where equipment reliability is critical, including:



Healthcare



Education



Data Centers



**Manufacturing
& Industrial**



**Commercial
Buildings**

Add Virtual Touchpoints

Increase oversight between scheduled visits with remote inspections and on-demand system check-ins. Continuous data collection always provides visibility into system operation, helping identify issues that may not be detected during standard inspections.

Take a Proactive Approach to Equipment Reliability

Unexpected failures don't have to be part of your maintenance strategy. Trane Vibration Monitoring helps improve equipment reliability, reduce operational risk, and support more informed maintenance decisions through continuous condition monitoring and early fault detection.



Contact your local Trane representative to learn how Trane Vibration Monitoring can help improve visibility into your equipment's health.



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