

Vibration Condition Monitoring

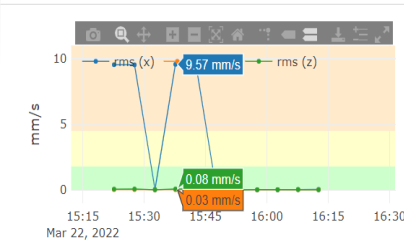


Vibration Measurement and Analysis with Report & Solutions

SLS PRO provides both Vibration Measurement with Analysis services and Predictive maintenance solutions under Reliability Services (RS) division. These solutions help customers to minimize downtime and optimize resources.

List	Sub-groups
● Sensor#1 (1K-2Z) MDE (Motor Drive End) (f9d3bbe6)	● ● ●
● Sensor#2 (1K-2Z) MNDE (Motor Non Drive End) (070d2a4b)	● ● ●
● Sensor#3 (1K-2Z) MDA (Motor Drive Axial End) (97A89916)	● ● ●
● Sensor#4 (1K-2Z) LDE (Load Drive End) (65344bfc)	● ● ●
● Sensor#5 (1K-2Z) LNDE (Load Non Drive End) (ae12fa2)	● ● ●

Velocity 10-1000Hz RMS



SLS PRO Wireless Sensor

SLS PRO sensor enables condition monitoring at a scale. A wireless condition monitoring sensor that is cost-efficient and easy to deploy. It measures tri-axial vibration and surface temperature of rotating equipment, such as pumps, motors, and compressors.

SLS PRO sensor helps identifying abnormal vibrations or high temperature, which are early signs of machine failure due to imbalance, misalignment bearing, lubrication or looseness issues.

SLS PRO Gateway

SLS PRO Gateway connects from few to hundreds of sensor nodes. It collects, processes and transmits data to the cloud.

SLS PRO Gateway also comes in protective casing for harsh environment.

Following solutions are available depending on your policies, scalability and resource requirements.

Our Solutions

- Wired Vibration Sensor
- Wireless Vibration Sensor
- Cloud based
- Local Server based

Benefits a first Glance



Cost-efficient - Easy installation & low maintenance costs, makes this the most cost-efficient solution in the market to monitor every machine in the factory.



Scalable - Tens to many thousands of wireless sensors can work together in an intelligent mesh network to enable condition monitoring at scale.



Widely compatible - Can be integrated with any cloud backend, which makes it extremely convenient to include in a wide range of IoT solutions.



Prevent Downtime - Early signs of machine breakdown can be sensed through condition monitoring, which reduces and prevents downtime.



Improve efficiency - Monitoring various parameters can indicate situations in which machines are not at their highest efficiency.

Our Packages

- **SLS PRO RS 1 - BASIC**

RS1 takes the responsibility of the Measurement, Analysis with Observations, Suggestions and Recommendations. This service is offered to Users who would like to choose from their maintenance strategy (Reactive type, Adhoc or Annual Maintenance contracts type).

- **SLS PRO RS 2 - INTERMEDIATE**

In addition to RS1, the intermediate package will provide other solutions like Shaft Alignment, Balancing Thermography, Electric Motor Static Analysis, Dynamic Motor Monitoring and Live Panel cleaning services. More services will be added in the future when necessary.

- **SLS PRO RS3 - ADVANCED**

Along with RS1 and or RS2, the advanced package provides solutions on Monitoring the assets. This is a proactive solution; implying that an alarm trigger will be activated so that users can perform the necessary maintenance actions.



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