

Sensemore Infinity

Wireless Vibration Sensor for
Quality Control, R&D & Maintenance



Rugged Design with IP67 Rated Protection for Harsh Environmental Conditions

- Sensemore Infinity is a 26 gr lightweight, IP67 rated, rugged enough to stand in tough conditions such as water, dust and oil.
- By adding a photovoltaic panel or any energy harvesting method, you can make Sensemore Infinity's battery life infinite.

Remote Monitoring

- Sensemore CloudApp software allows you to monitor your equipment from your computer or mobile device for remote monitoring.

Predictive Tools

- Get root-cause analyses from measurement.
- Get notification for the health of your equipment 7/24.
- Follow-up Data Trends.

Sensemore Infinity makes vibration measurements easy and flexible. Either use this with your Android Mobile device or install to your equipment with Senseway and get measurements immediately.

You can use this sensor with Dc to 6 kHz frequency range and remotely monitor dangerous or hard-to-reach places for three years.

Monitor vibration and temperature measurements to detect common faults such as imbalance, misalignment, looseness and bearing faults. In addition to that, different types of anomaly detection are also possible.

Get notifications via mobile app and mails about the health of your machines.

Perform the QC Tests of your products in seconds and store your records in cloud with Sensemore QC App.



Easy to Use

Install with its magnetized side, connect with Bluetooth 5.1, measure and take actions in seconds without specialized training.



Support for Your Projects

If you want to develop a project with Sensemore Infinity; you can always consult our software, hardware and mechanical experts.



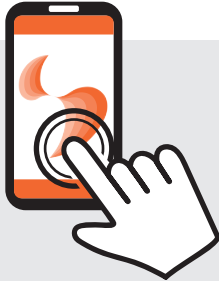
Flexible Solutions

You can add extra sensors for different types of data required or add energy harvesting tools to make it self charging.



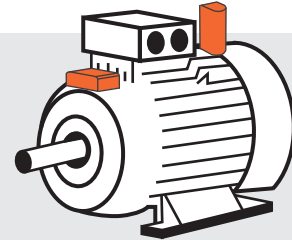
Sensemore Infinity Installation Steps

How can we start to **optimized quality control operations** with Vibration Measurements?



Mobile App

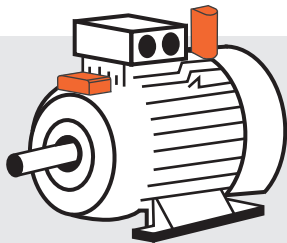
Just Sensemore Android app and BLE-enabled smartphone is enough to get measurements.



Sensor Placement

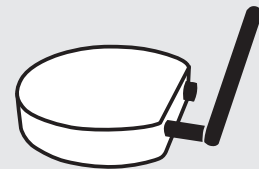
It is enough to place the Sensemore Infinity on your equipment quickly and easily thanks to its magnet.

How can we start to **optimized maintenance operations** with Sensemore?



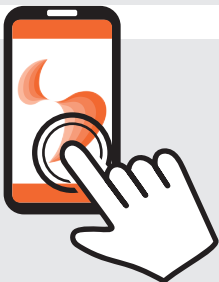
Sensor Placement

It is enough to place the Sensemore Infinity on your equipment quickly and easily thanks to its magnet.



Senseway

With Senseway, you can take periodic measurements without any intervention.



Mobile App

By uploading the measurements you take with the Sensemore Mobile App to the Sensemore Cloud App, you can predict the failure and receive automatic alarms.



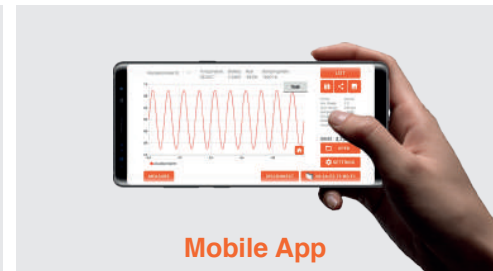
Cloud App

You can store and analyze your data in the Sensemore Cloud App, receive automatic alarms and thus take action without your machines malfunction.



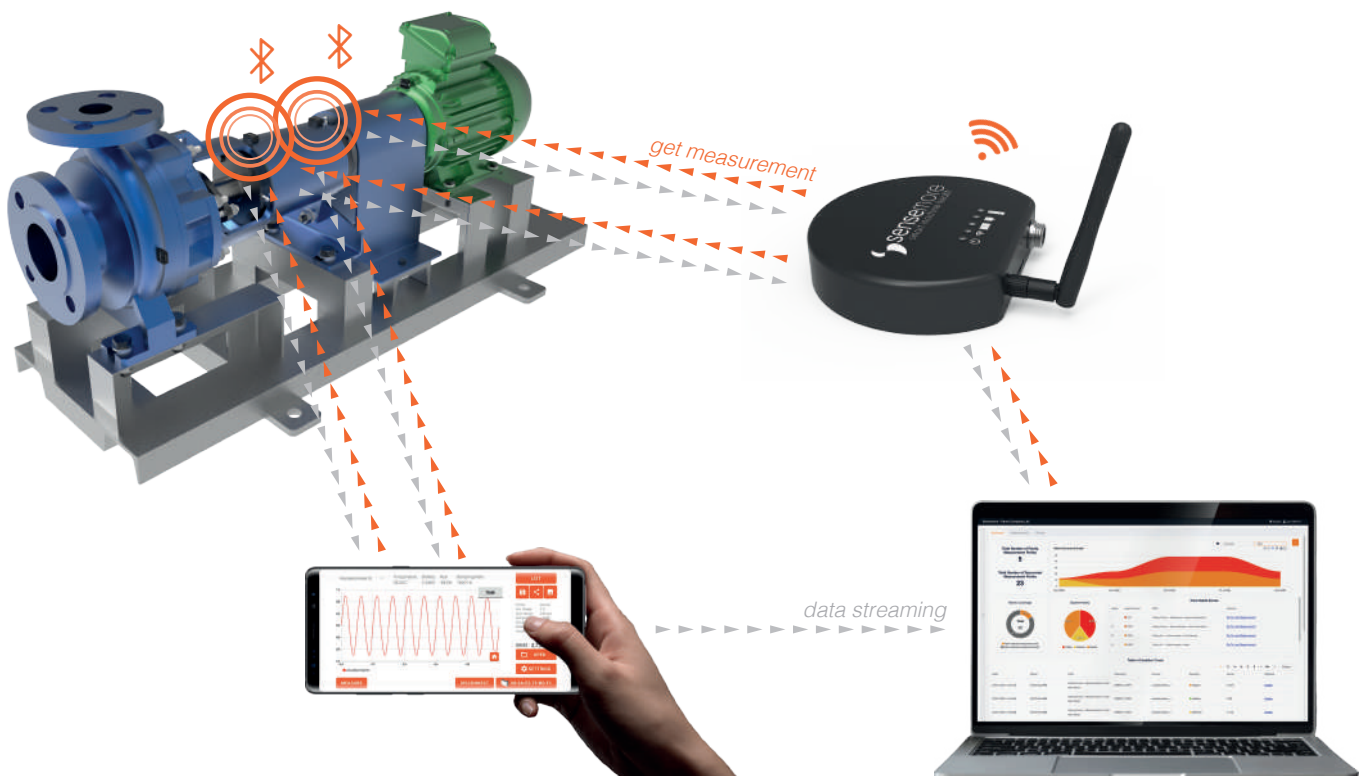
Sensemore Infinity Use-Cases

What can we use **Sensemore Infinity with** to take vibration and temperature measurements?



Case 1

You can take and analyze measurement **on a mobile phone**, and also take **mobile notifications** in case of equipment malfunctions by creating alarms on **Cloud App**.





Case 2

You can connect **large number of infinity** with **senseway in 50 m range** and upload data to **cloud** and analyze. With multiple sensors & SenseWay, monitor and analyze equipments **online**.



Case 3

You can only get measurement as soon as your machine is running with **Sensemore Trigger**. In this way, **perpetual measurements** are taken from stop-and-go equipments.



Infinity General Specifications

Accelerometer	Frequency Range	DC to 6 kHz
	Sampling Rate	26 kHz
	Dynamic Range	±16 g
	Resolution	16 bit
	Noise Density	60 µg/√Hz
	Internal Memory	8 MB
	Communication	BLE
	Realtime Data Plot	Up to 800 Hz Sampling Rate
Temperature	Data rate with BLE	2.600-13.000 bytes/sec (Depends on Smartphone)
	Sensitivity	± 0.5°
	Storage Range	-40 °C to +80 °C
Mechanical	Operating Range	-40 °C to +80 °C
	Size (L*W*H)	35 mm * 24 mm * 12 mm
	Weight	26 gr
Bluetooth	IP Rating	IP67
	Type	Low Energy 5.1
	Range (during a session)	50 m, line-of-sight
Power	Frequency Range	2400 MHz
	Battery Type	3.7V, 240 mAh Li-Po
	Battery Life	Up to 2 Months
Altitude	Charge	5V USB & Solar Cell Input
	Operating	3000 m
	Storage	12000 m

Senseway General Specifications

Temperature & Humidity	Sensitivity	± 0.5°
	Storage Range	-40 °C to +80 °C
	Operating Range	-40 °C to +80 °C
	Relative Humidity	0 to 100%
	Output Data	16 bit
Pressure	Range	260 to 1260 hPa
	Output Data	24 bit
Microphone	SNR	65 dBA
	Sensitivity Tolerans	± 1 dB
	Frequency Response	50 Hz to 20 kHz
Bluetooth	Type	Low Energy 5.1
	Frequency Range	2.4 GHz
	Antenna	3 dBi Single Antenna, Omni Directional
WiFi	Type	802.11 b/g/n
	Frequency Band	2.4 GHz
	Security	WEP/WPA/WPA2
	Antenna	3 dBi Single Antenna, Omni Directional
Mechanical	Size (L*W*H)	120 mm * 105 mm * 123 mm
	Weight	120 gr
Power	DC Input	5 - 36V DC

Sensemore Trigger General Specifications

WiFi	Type	802.11 b/g/n
	Frequency Band	2.4 GHz
	Security	WEP/WPA/WPA2
	Signal Strength	<-65 to -70 dBm
Mechanical	Size (L*W*H)	120 mm * 60 mm * 30 mm
	Weight	40 gr
Power	Supply	12-24V
	Logic Input	0-24V



Sensemore Teknoloji A.Ş.

Reşitpaşa Mah. Katar Cad. Teknokent ARI 4 Binası, No: 2/50/6,
Maslak, SARIYER/İSTANBUL

Sensemore Sp.Zo.o.

ul. SZELAGOWSKA, nr 49, POZNAN, 61-626, POLAND

+90 850 888 16 39

hello@sensemore.io
www.sensemore.io

©2021 Sensemore Teknoloji A.Ş.
Modification of this document is not permitted without
written permission from Sensemore Teknoloji A.Ş..