

Sensemore Anchor

Vibration Sensor for Plug&Play



Rugged Design with IP67 Rated Protection for Harsh Environmental Conditions

- Sensemore Anchor is a 60 gr lightweight, IP67 rated, rugged enough to stand in tough conditions such as water, dust and oil.

Remote Monitoring

- Sensemore CloudApp software allows you to monitor your equipment from your computer 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 Anchor can transmit data to Senseway, which is 1 km away for 2 years without charging.

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

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

Get notifications via mails about the health of your machines.

You can create a trend by setting the periodic time on Cloud App.



Easy to Use

Install with adhesive, connect with SenseWay, measure and take actions in seconds without specialized training.



Support for Your Projects

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



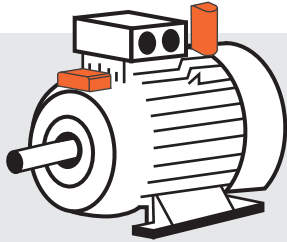
Plug&Play Solutions

You can plug Anchor your equipment or building and take measurements for 2 years without any effort.



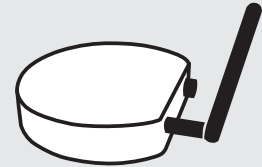
Sensemore Anchor Installation Steps

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



Sensor Placement

It is enough to place the Sensemore Anchor on your equipment quickly and easily with glue.



Senseway

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



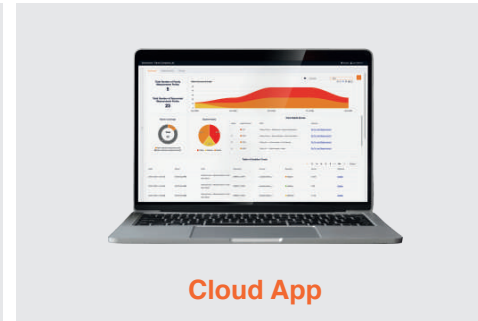
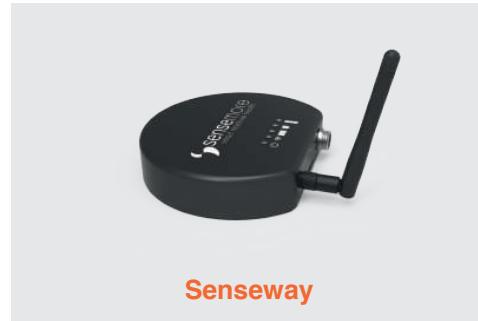
Cloud App

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



Sensemore Anchor Use-Cases

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



Case 1

You can only take measurement **up to 1 km distance** for **2 years without charging**. In this way, **periodic measurements** are taken with the **plug&play solution anchor** placed in hard-to-reach points in cement, oil&gas, and off-shore plants.



Anchor 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
Temperature	Sensitivity	± 0.5°
	Storage Range	-40 °C to +80 °C
	Operating Range	-40 °C to +80 °C
Mechanical	Size (L*W*H)	55 mm * 30 mm * 25 mm
	Weight	60 gr
	IP Rating	IP67
Communication	Type	LoRa
	Range (<i>during a session</i>)	≤1 km, line-of-sight
	Frequency Range	866 MHz
Power	Battery Type	3.6 V, 4100 mAh LiSOC1
	Battery Life	2 years typical
Altitude	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



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