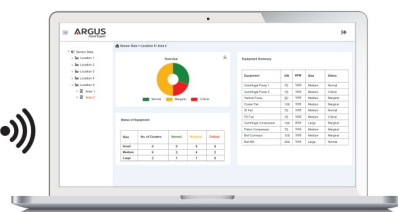
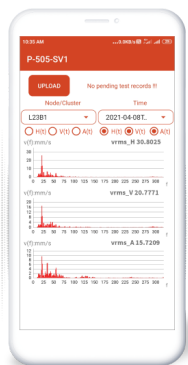


# WALK AROUND

# XPERT

## WIRELESS CONDITION MONITORING



## APPLICATIONS



Pulp, paper and board



General industry



Chemical process industry



Oil and gas



Hydrocarbon processing



Power generation

and many more...



Oil and Gas



Marine



Power Plant



Manufacturing

## INNOVATIVE SOLUTION FOR MONITORING YOUR MACHINE HEALTH

ARGUS Tri-axial wireless vibration sensor brings in a new dimension to the world of predictive maintenance to easily diagnose the health of rotating machines such as pumps, fans, motors, gear boxes, compressors, etc. It enables easy condition monitoring of rotary machines and detects faults well before equipment failure, reducing maintenance costs and enhancing equipment lifetime.

- Conforms to IP65
- ARGUS android app for database creation & storing machine health records
- Velocity & Acceleration - RMS values, Time waveforms & Frequency spectrums
- Flexible mounting options - Magnet, Epoxy adhesive or Stud



## ARGUS IS AVAILABLE IN TWO VARIANTS

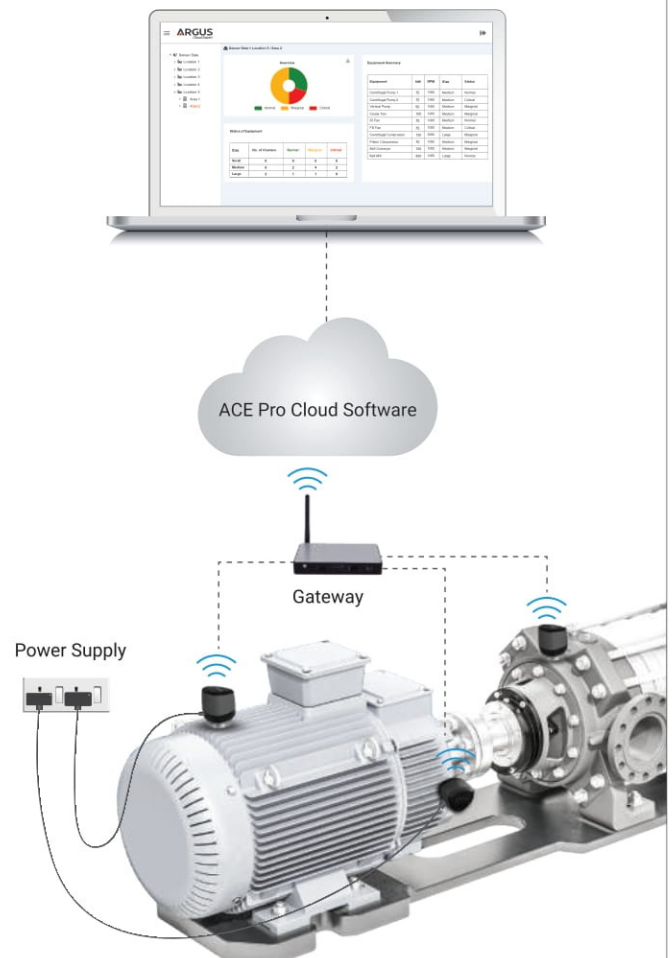
### PORTABLE SENSOR/ANALYZER

The sensor is powered by a rechargeable Li-Polymer battery that lasts for more than 8 hours on a charge. The data collected by the ARGUS mobile app can be uploaded to the ACE web application through internet. The ACE software, which can be accessed via a web browser, allows users to create a route for data collection, view & save - vibration data, time waveforms and frequency spectrums.



### ONLINE SENSOR/ANALYZER

The online sensor, which is powered by a 5V external source through a USB cable, can be used to monitor the equipments remotely on a 24/7 basis. The data from the sensor is transferred to the ACE Pro web application continuously through a gateway. ACE Pro trends the live data received from the ARGUS sensor & triggers alert messages when the vibration levels exceed the predefined threshold limits.





## ACE/ACE PRO WEB APPLICATION



### ROBUST AND SECURE:

The data collected from the ARGUS Sensor is transferred and stored in a secure cloud platform. Secure login credentials ensure data privacy and protection.



### ASSET HEALTH DASHBOARD

The impressive dashboard helps to assess the health status of the assets in a facility. Colour coding distinguishes between normal, marginal, and critical equipment.



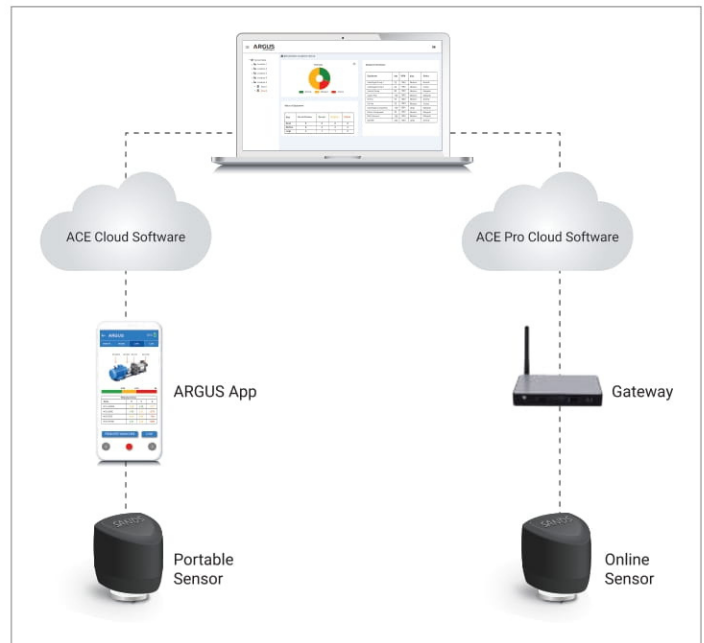
### VIBRATION ANALYSIS

Trends, time waveforms, and spectrums are provided for spectrum analysis and identification of faults to predict equipment failure.



### ALERTS & REPORTS:

Instant alert messages triggered when vibration levels exceed the threshold limit and machine health reports can be downloaded.



## KEY ATTRIBUTES OF ARGUS



### EASY TO INSTALL

The compact design of ARGUS facilitates hassle-free continuous & periodic monitoring of assets in inaccessible or hazardous locations.



### TROUBLE-FREE DATA COLLECTION

Wireless sensors take data collection to new levels. The sensors send data through Bluetooth/WiFi, which eliminates the need for a worker to be near a machine that safeguards workers from occupational risks.



### DEDICATED ANDROID APP

The ARGUS android app is easy to use, collects data from the portable sensor & indicates the equipment's health condition in green, yellow, and red.



### INSIGHTFUL WEB APPLICATION

ACE/ACE Pro is a safe and secure application that allows users to analyze vibration signatures to get deep insights into an asset health condition.



### LONG-LASTING BATTERY

ARGUS is powered by a Li-Polymer battery with impressive battery life, can perform its intended operations for an extended period on a single charge.



### PROMINENT PERFORMANCE

ARGUS can measure up to 20g of acceleration and may be used as a single-axis or tri-axial vibration sensor. It can monitor machines with speeds as low as 60 rpm.



### DEPLOYABLE IN HAZARDOUS AREAS

In any harsh environment, the IP67 certified sensor is safe to use. The sensor can endure temperatures of up to 125°C and deliver reliable information.



### TOP-NOTCH SUPPORT

The ARGUS app allows the user to submit an analysis request while collecting data from the portable sensor. Sands experts will analyze vibration data and notify users of any faults identified.

## TECHNICAL SPECIFICATIONS

Frequency range	2Hz to 10kHz
Amplitude range & settings	±20g ; 1g/5g/10g/20g
Sampling frequency (Data capture - 3 axis)	20.48kHz
Measurements	Velocity RMS, Acceleration G 's
Window functions	Rectangular, Hanning and Flat top
Operating temperature range	-40°C to + 125°C
Communication	Local-Bluetooth & Remote-Wi-Fi
GPRS gateway	4G/3G and 2G compatible
Data availability	Local - mobile & Remote - cloud
Power Source	Rech. Li-Polymer (8 hrs)
Sensor controls and indicators	1. Power indicator 2. Power input 3. Power on/off button
Weight	250g
Dimensions(HxDxW)	2.9 x 2.3 x 2.2 in (74 x 59 x 58 mm)

## DIMENSIONS

