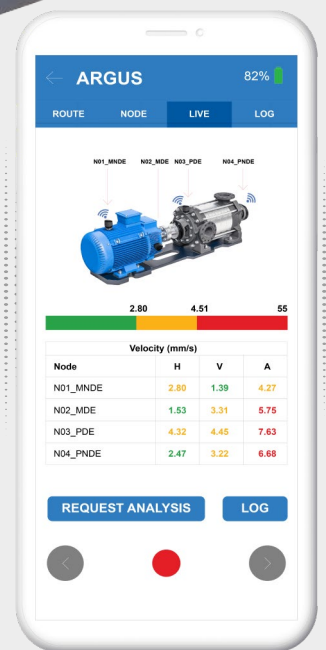
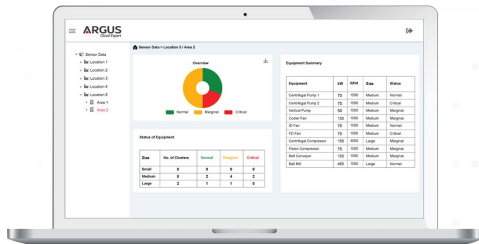


ARGUS

PORTABLE WIRELESS VIBRATION ANALYZER

Migrate to predictive maintenance





MONITOR YOUR MACHINE HEALTH



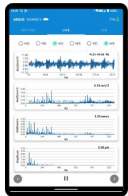


ARGUS Tri-axial wireless vibration sensor brings in a new dimension to the world of predictive maintenance to easily diagnose the health of rotating machines such as pumps, fans, motors, gear boxes, compressors, etc. It enables easy condition monitoring of rotary machines and detects faults well before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

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



PORTABLE VIBRATION ANALYZER VARIANTS – FEATURE SET

The portable vibration analyzer is powered by a rechargeable battery that lasts for more than 10 hours on a charge. The data collected by the ARGUS mobile app can be uploaded to the web software. The software, which can be accessed via a web browser, allows users to create a route for data collection, view - the vibration data, historicals trends, pie chart and time waveforms and frequency spectrums analytics. ARGUS Portable Vibration Analyzer available with different variants and features listed below.

    				
Item / Feature	Basic	Standard	Advanced	Advanced Cloud
Sensor	✓	✓	✓	✓
Single & Tri-Axial Measurements	✓	✓	✓	✓
Mobile Apk	Apk_Basic	Apk_Standard	Apk_Advanced	Apk_Cloud
RMS, pk, pk-pk	✓	✓	✓	✓
Acc, Vel, Disp	✓	✓	✓	✓
Quick report download (PDF/EXCEL)	✓	✓	✓	✓
Freq range (Fmax)	10kHz	1.3k, 10kHz	250, 600, 1.3k, 2.5k 10kHz	250, 600, 1.3k, 2.5k 10kHz
FFT/TWF	✗	✓	✓	✓
LOR	✗	400 & 800	400, 800, 1600 & 3200	400, 800, 1600 & 3200
Route	✗	✓	✓	✓
ISO Alerts	✗	✗	✓	✓
Historical trending	✗	✗	✗	✓
Dashboard and key statistics	✗	✗	✗	✓
Global accessibility	✗	✗	✗	✓
Expert Diagnostics(SANDS - RDC Support)	✗	✗	✗	✓

Note: The above ARGUS variants can be easily upgraded from Basic to Advanced



KEY ATTRIBUTES OF ARGUS



EASY TO INSTALL

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



TROUBLE-FREE DATA COLLECTION

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



PROMINENT PERFORMANCE

ARGUS can measure up to 32g 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 HARSH ENVIRONMENTS

In any harsh environment, the IP certified sensor is safe to use. The sensor can endure temperatures of up to 120°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.

ACCESSORIES

Rail Magnet 	A strong magnet with a 50N pulling strength provides a secure and semi-permanent mounting to surfaces of all ferromagnetic materials, including motors, compressors, turbines, pumps, blowers, fans, and more.
Curved Magnet 	The curved rail magnet provides a more reliable mounting option, particularly for super-finished, high-quality steel and alloy bodies such as high-frequency spindles. Offers a variety of curved rail magnets to accommodate different spindle outer diameters
Belt Clips 	Inspecting the health of aluminum casing rotary assets with a magnet can be challenging due to improper attachment. SANDS brings different diameters of high-quality yet less damping durable belts to mount the vibration sensor quickly in a robust manner.
Charger Cable & Adapter 	The device is equipped with a high-performance Li-Po battery that offers impressive battery life. This battery can be conveniently recharged using the power adapter and cables provided by SANDS. The IP qualified 6-pin connector cables ensure safe and secure connectivity.
Hard Carrycase 	The ARGUS sensor and its accessories are housed in a single, compact, and rugged carry case. This design ensures ease of transportation and portability, making it convenient to carry the unit from one location to another.

TECHNICAL SPECIFICATIONS*

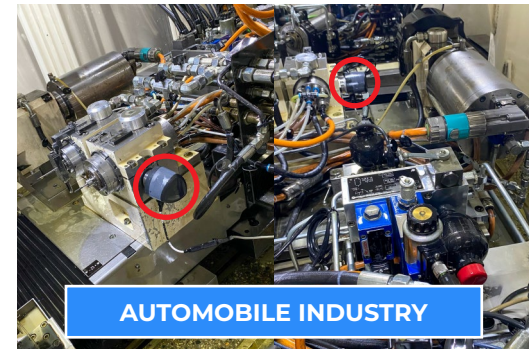
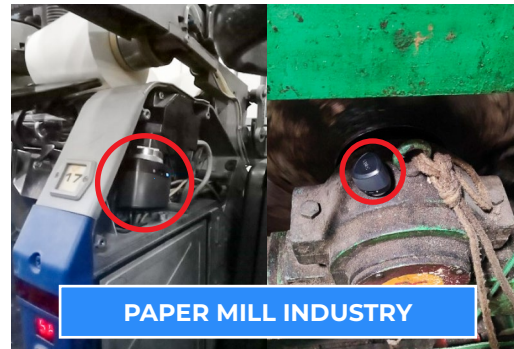
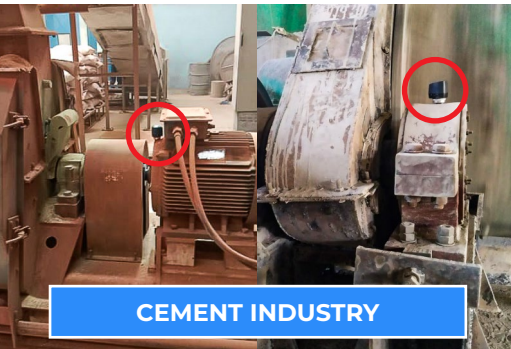
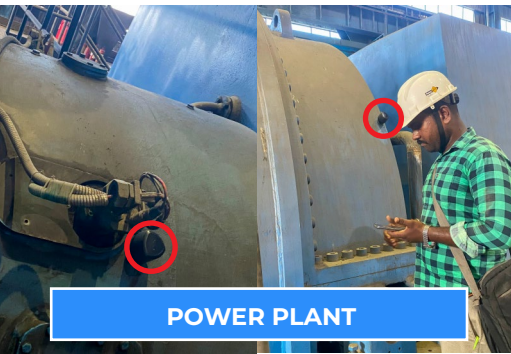
Frequency range	Fmax: 70; 130; 250; 600;1300; 2500; 10,000 Hz
	Fmin: 0.8Hz to Fmax
Measurement Type	Single (or) Tri-Axial
Amplitude range & settings	±16g ; 2g/4g/8g/16g
Sampling Frequency (Data capture - 3axis)	26kHz
Range	Acceleration: 0.01-299.99 m/s ²
	Velocity: 0.01-299.99 mm/s
	Displacement: 0.01-9,999.99µm
Resolution (Spectral Lines)	400, 800, 1600 and 3200
Accuracy	±1%
Measurements	3-axis acceleration, Velocity & Displacement - Overall RMS, TWF & FFT spectrums
Window functions	Rectangular, Hann & Flat top
Operating temperature	Upto 120°C
Communication	Wi-Fi (point to point)
Alarms	ISO-10816 Standrad Machine Health Color Indication (Green /Amber/Red) (or) Customized Threshold Alarm Settings. Dashboard - Spectrum based AI&ML Fault Diagnostics
Data collection	Mobile app- Quick Collect & Route Based Collect
Data availaility	Local-Mobile & Remote-Dashboard
Power Source	Rechargeable Li-Polymer (10 hrs)
Power interface	1. On/off indicator LED 2. Input 6 pin port 3. Battery full charge indicator 4. Low battery indicator
Weight	120 grams
Dimensions (HxDxW)	2.9 x 2.3 x 2.2 in (74 x 59 x 58 mm)
Mounting Accessories	Magnet (rail or Curved) Stud/Adhesive/Belt clips (Aluminium Body)

*As per Advanced model

DIMENSIONS



ARGUS TESTIMONIAL



OUR CLIENTS

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