Vibration HUB



- Early fault detection helps prevent sudden downtime, ensuring productivity and product quality.
- Accurate fault diagnosis pinpoints, allowing component replacement before failure occurs, extending equipment lifespan, and minimizing operational costs.
- Ensure a safe working environment for employees, reducing workplace accidents
- Reduce the solid waste, promotes a circular economy, and protects the living environment.

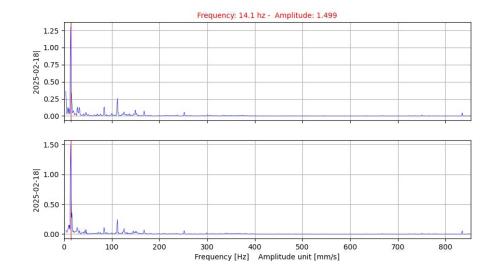
VIBRATION HUB

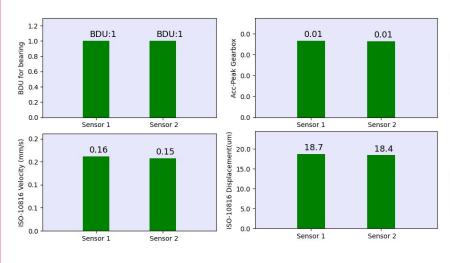
01	Early diagnosis of equipment condition	 Early warning of equipment operating status corresponding to levels: good operation, limited operation, impending failure. Vibration spectrum analysis to diagnose the cause of the problem. Provides various types of spectra such as acceleration, velocity, envelope spectra suitable for many different types of equipment. Common types of damage that can be diagnosed Gearbox: Chipped teeth, broken teeth, tooth fatigue, bent shaft Bearings: Damaged inner and outer rings Rotor: Dynamic imbalance, coupling misalignment, shaft bending, structural looseness Pump: Cavitation Electric motor: Rotor bar breakage, magnetic field eccentricity
02	Resonance analysis	Determine at what speed the machine vibrates the most, determine the natural frequency of the system, and develop a solution to prevent resonance.
03	Dynamic balancing	Identify the imbalance and determine where to add counterweights to return the equipment vibration to normal.

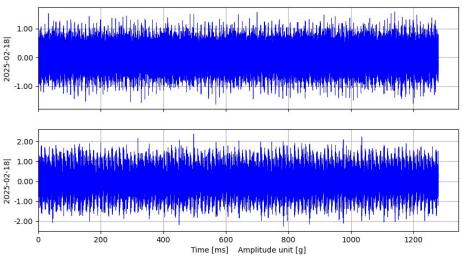
Specification	Vibration Expert
Bandwidth	2 Hz - 20 kHz
Sampling rate	2.5 kHz -40kHz (Synchronize 3 channels)
Dynamic range	103 dB
SNR	98 dB
Channel	4 channels (3 vibration/1 laser)
Sensor type	Accelerometer, Displacement Probe
Connectivity	Wifi/ USB
Language	English Vietnamese

Vibration Diagnostic

- Waveform Analysis
- Frequency Analysis
- General Indicator





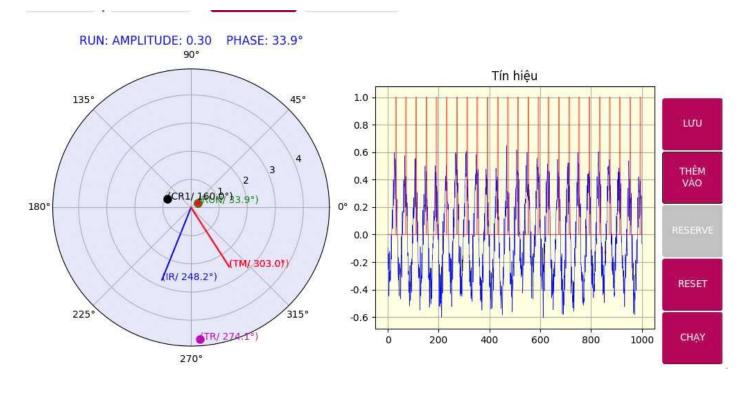


Dynamic Balancing

- One plane balancing
- Two plane balancing
- Oneshot balancing

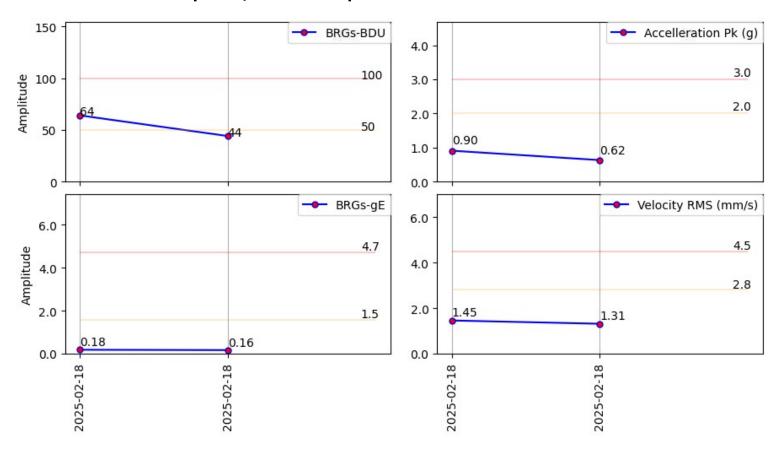
Feature

- Independant step
- Long time storage
- Waveform and laser display
- Polar display



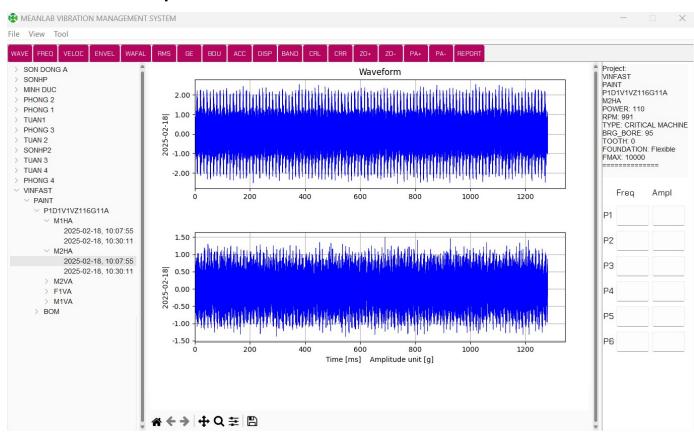
History Analysis

- Show waveform, spectrum, trend, waterfall
- Bearing fault frequency of 20000 bearings
- Automatic report, CSV export



Vibration management software on PC

- Easy import .csv file
- Show waveform, spectrum, trend
- Automatic report



- 12-month warranty, 12-month remote diagnostic support
- 5 days free training course
- Flexible installment policy
- Simple interface in Vietnamese and English
- High accuracy
- Compatible with many types of velocity, acceleration, displacement sensors.





- Lithium Ion battery pack for 6 hours of continuous operation, rechargeable.
- Dimensions: 232 x 178 x 43mm. Compact design, high durability.