

AISENS 100AW

Advancing Condition Monitoring with Wi-Fi Connectivity and Full-Scale Data Precision



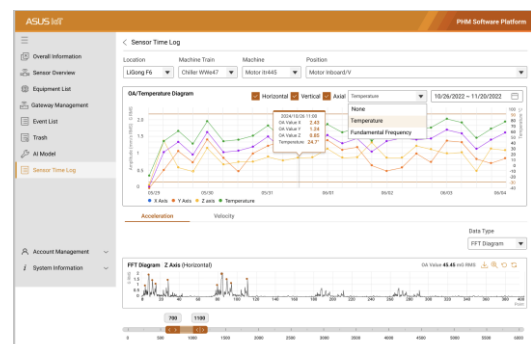
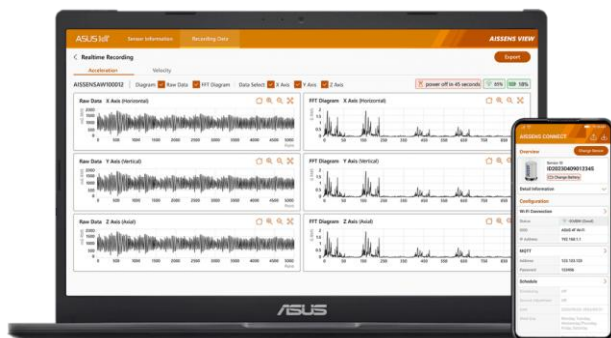
Features

- 6KHz sensitivity for precise early anomaly detection
- Dual Wi-Fi/BLE channels ensure effortless setup and deployment
- Comprehensive PC and mobile app support for user-friendly operation
- MQTT open protocol enables rapid custom development
- Certified IP68 for maximum protection with robust impact resilience

Specifications

3-Axis Accelerometer Sensor	Axis	X-Y-Z
	Frequency Range	10Hz~6000Hz
	Amplitude Range	$\pm 2g \pm 4g \pm 8g$ (Default) $\pm 16g$
	Recording Types	RAW Waveform, OA (ISO10816-3), FFT(Acc/Vel) , Acc 0 to Peak, Acc RMS, Displacement (peak-to-peak), Kurtosis, Crest Factor, Skewness, Deviation, Mean, Median
	Output Data Rate	26667Hz
Temperature Sensor	Range	-20°C ~ 80°C
Wireless Interfaces	Topology	Wi-Fi 2.4GHz, 802.11b/g/n + BT4.2 (+BLE)
	Transmit Power	Up to 20dBm@11b ; 14dBm@11g/n
Configuration	Interface	Bluetooth Low Energy
Indicator	LED	Power, Tx, Rx
Water & Dust-Proof	IP Class	68
Power	Power Input	3.6V 5400mAh
	Battery Life	2 Years (Sampling raw data for 5 seconds every three hours),
Mechanical	Mounting	Magnetic and Mounting pad
	Dimensions	Height : 73mm(Body) / 80.75mm (w/magnetic mount), Max diameter : $\phi 47.3$ mm
	Weight	prox. 250g
Environment	Operating Temp.	-20°C ~ 80°C (Battery powered)
	Storage Temp.	-20°C ~ 85°C (Without battery)
	Relative Humidity	10 to 95% (non condensing)
	Certifications	NCC(TW), SRRC(CN), CE(EU), VCCI(JP), FCC(US), NTBC(Thailand),CRA (Qatar)
	Neutral Salt Spray test	Passed, 72hrs

Companion Software



AISENS View (Windows)

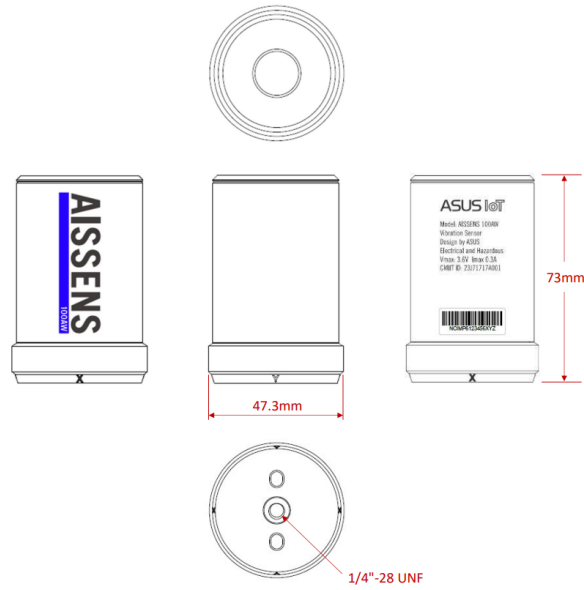
AISENS Connect (iOS/Android)

- Proximal Bluetooth Configuration (PC/Mobile)
- Scheduled Data Acquisition (PC)
- High-Precision Time and Frequency Domain Display (PC)
- OTA Firmware Updates and Continuous Feature Iteration (PC)

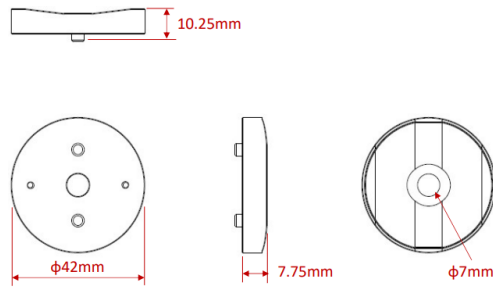
AISPHM-AI Diagnosis & Maintenance Platform

- Manage 100+ sensors simultaneously
- Trend Analysis
- Deep Learning-Based Defect Detection Modeling
- Custom Rule-Based Detection
- On-premise Ubuntu deployment

Sensor Body



Magnetic Base



Mounting Pad

