RW606 (M) Wireless Vibration and Temperature Sensor

Product Overview

- Wireless data transmission, convenient installation.
- Wide frequency response range, suitable for early anomaly detection.
- With the ability to analyze the data of the motor working condition, able to intelligently identify the rotational speed.
- Ultra-low power consumption with a large 19Ah battery.
- Comprehensively upgraded intelligent alarm algorithms.

Product Picture and Dimension

Dimension of sensor for magnet+glue installation

Dimension of sensor for bolt installation

RW606 (M)

Wireless Vibration and Temperature Sensor

Main Parameters

Parameters	Specification	Remark
Physical		
Dimension	46.5mm×110.3mm	Diameter × Height
Weight	About 330g	
Casting Material	Main body: PA66(nylon)+30% glass fiber Pedestal: 316L Stainless Steel	
Installation Method	Magnet + glue installation, bolt installation	
Ambient Temperature	-40℃ to +70℃	
Protection Grade	IP68	
Basic		
Range	Piezoelectric: ±50g peak MEMS: ±16g peak	
Frequency Response (±3dB)	Piezoelectric (Z-axis): 2Hz to 20kHz MEMS (X,Y-axis): 0.1Hz to 1kHz	
Analysis Frequency	Piezoelectric: 1kHz,2kHz,5kHz,10kHz,20kHz MEMS: 1kHz	
Measuring Definition	Sampling length: Piezoelectric direction: 1K,2K,4K,8K,16K,32K,64K,128K,256K MEMS direction: 1K,2K,4K,8K,16K	
Spectral Line	400,800,1600,3200,6400,12800,25600,51200,102400	Calculated by RONDS software
Maximum Acquisition Length	2M	
Edge Computing	Yes	
Indicator Alarm	Yes	
Temperature Measuring Range	-40℃ to +125℃	Normally the temperature measuring range is -40℃ to +70 ℃. When bearing temperature rises rapidly, it can support temperature measurements from +70℃ to +125℃ in a short time.
Temperature Resolution	0.1 ℃	
RPM Recognition	54~48000r/min	Model: RW606M

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Power		
Power Supply	2.5 to 3.9VDC battery powered	
Battery	19Ah Lithium-thionyl chloride battery	
Communication		
Communication with Data Collector	ZigBee	IEEE802.15.4
Others		
Certification	CE, FCC, KC,UKCA,NCC,ATEX, IECEx	
Identification	Ex ia IIC T4 Ga	Can be used for Zone 0, Zone 1, and Zone 2

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