RH505

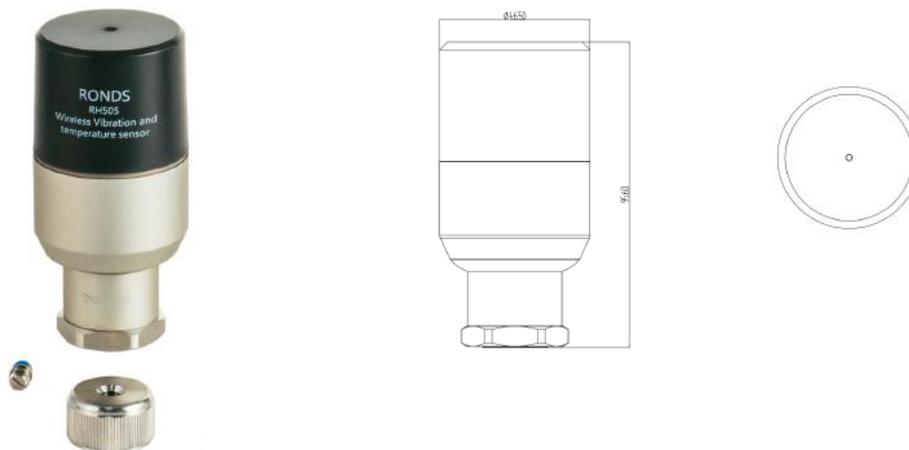## Wireless Vibration and Temperature Sensor

Product Overview

- Wireless data transmission, convenient installation
- Wide frequency response range, suitable for early anomaly detection
- Low power consumption design, 8.5Ah large battery
- Meet requirements for precise diagnostics

Product Picture and Dimension

Main Parameters

Parameters	Specification	Remark
Physical		
Dimension	47mm × 96mm	Diameter × Height
Weight	About 208g	
Casting Material	Aluminum alloy + Plastic	
Mounting Thread Size	Metric M6	
Installation Method	Magnet + glue installation, bolt installation	
Ambient Temperature	-40°C to +70°C	
Protection Grade	IP68	

RH505

Wireless Vibration and Temperature Sensor

Main Parameters

Parameters	Specification	Remark
Basic		
Range	Piezoelectric: ±50g peak	
Frequency Response (±3dB)	Piezoelectric (Z-axis): 2Hz to 20kHz	
Analysis Frequency	1kHZ, 2kHZ, 5kHZ, 10kHZ, 20kHZ	
Measuring Definition	Sampling length: Piezoelectric direction: 1K,2K,4K,8K,16K,32K,64K,128K	
Spectral Line	400,800,1600,3200,6400,12800,25600,51200	Calculated by RONDS software
Maximum Acquisition Length	2M	
Amplitude Linearity	1%	
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 ℃	
Power		
Power Supply	Lithium-thionyl chloride battery	
Battery	8.5 Ah Lithium-thionyl chloride battery	
Communication		
Communication with Data Collector	Zigbee	2.4GHz IEEE 802.15.4
Others		
Certification	ATEX, CE, FCC, IECEx, KC, KCs, UKCA	
Identification	ExiaIICT4	Can be used in Zone 0, Zone 1, Zone 2

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