

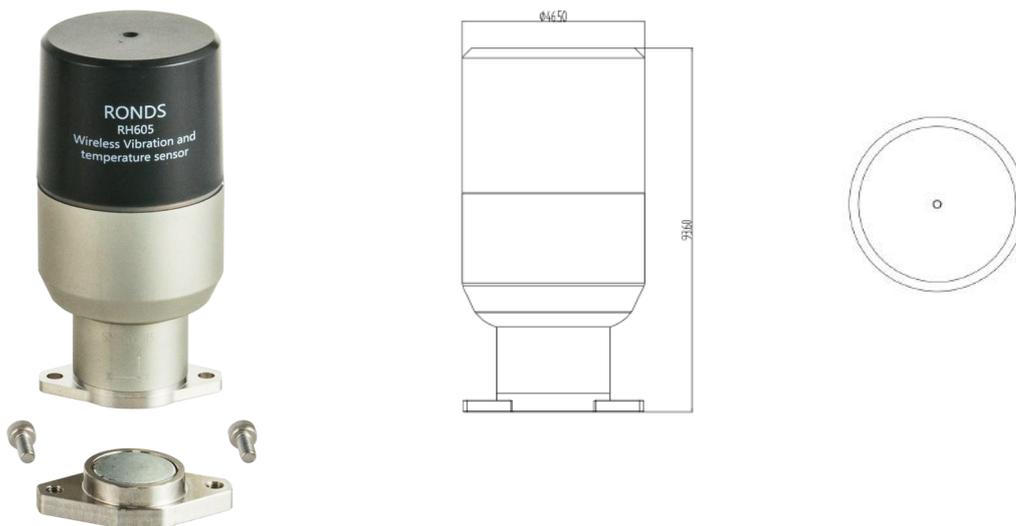
RH605

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.
- Meets requirements for precise diagnostics.

Product Picture and Dimension



Main Parameters

Parameters	Specification	Remark
Physical		
Dimension	47mm × 94mm	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	

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Main Parameters

Parameters	Specification	Remark
Basic		
Range	Piezoelectric: ± 50 g Peak MEMS: ± 16 g Peak	
Frequency Response (± 3 dB)	Piezoelectric: 2Hz to 20kHz MEMS: 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 MEMS direction: 1K, 2K, 4K, 8K, 16K	
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°C to $+125^{\circ}\text{C}$	Normally the temperature measuring range is -40°C to $+70^{\circ}\text{C}$. When bearing temperature rises rapidly, it can support temperature measurements from $+70^{\circ}\text{C}$ to $+125^{\circ}\text{C}$ in a short time.
Temperature Resolution	0.1 $^{\circ}\text{C}$	
Power		
Power Supply	Lithium-thionyl chloride battery	
Battery	8.5 Ah Lithium-thionyl chloride battery	

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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