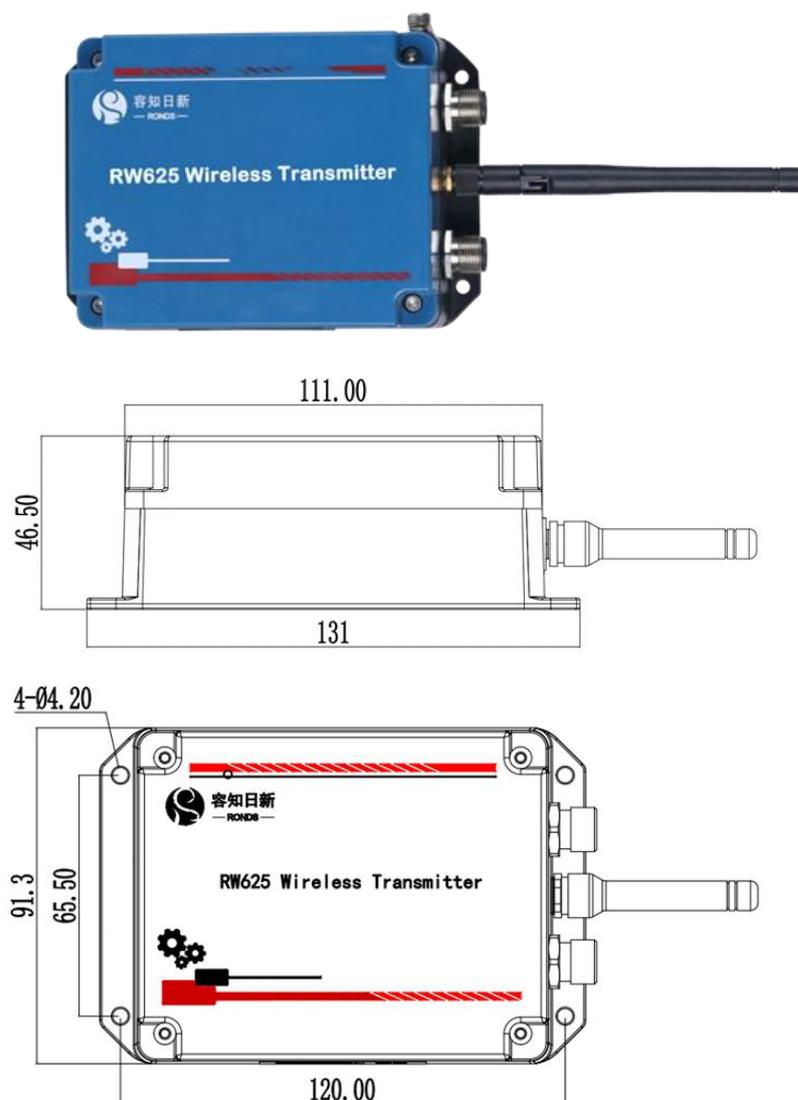


# RW625 Wireless Transmitter

## Product Overview

RW625 is a stable, reliable wireless transmitter, integrated with multiple functions of data collection, data processing, data transmission and alarm. It is compatible with one axial vibration and temperature sensors, triaxial vibration and temperature sensors and processing sensors. RW625 can communicate directly with Ronds wireless data collector RH570. It can be applied in different industries and scenarios.

## Product Picture and Dimension



# RW625

## Wireless Transmitter

### Main Parameters

Parameters	Specification	Remark
<b>Physical</b>		
Dimension	131mm × 91mm × 46.5mm	Length × Width × Height
Weight	About 630g	Antenna not included
Shell Material	Top Cover PC + ABS, Bottom Case ADC12	
Installation Method	Magnet Structure (With Screw) + Glue	
Ambient Temperature	-40°C to +70°C	
Storage Temperature	-40°C to +70°C	
Protection Grade	IP67	
<b>Communication</b>		
Communication with Data Collector	Zigbee	2.4GHz IEEE 802.15.4
<b>Power</b>		
Power Supply	3.6VDC	
Power Consumption	<1W	
Battery Capacity	2×19Ah	
Battery Type	Lithium-thionyl chloride	
<b>Basic</b>		
Supported Sensors	1. General IEPE Vibration Sensor 2. Low Power sensor (Ronds special sensor) 3. PT100 Sensor 4. 4mA to 20mA Process signal sensor 5. 0VDC to 10VDC Process signal sensor	The compatibility of third-party sensors needs to be evaluated by Ronds
Channels	2 or 4	If the signal is PT100, it can connect up to 4 channels PT100 signal

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## Wireless Transmitter

### Main Parameters

Parameters	Specification	Remark
<b>Low Power Input (For - LP Series)</b>		
Analysis Frequency	Piezoelectric: 1kHz, 2kHz, 5kHz, 10kHz, 20kHz MEMS: 1kHz	
Measuring Definition	Piezoelectric direction: 1K, 2K, 4K, 8K, 16K, 32K, 64K, 128K, 256K MEMS direction: 1K, 2K, 4K, 8K, 16K Working condition waveform: 1K, 2K, 4K, 8K, 16K, 32K, 64K, 128K, 256K	
Maximum Acquisition Length	2M	
Wiring Length	≤15m	
<b>IEPE Input</b>		
Analysis Frequency	Piezoelectric: 1kHz, 2kHz, 5kHz, 10kHz, 20kHz	Compatible with RH104(T)(C) from Ronds
Measuring Definition	1K, 2K, 4K, 8K, 16K, 32K, 64K, 128K, 256K	
Maximum Acquisition Length	2M	
Wiring Length	≤40m	
<b>PT100 Input</b>		
Measuring range	-40°C to +200°C	PT100 is a customized version of Ronds, and other PT100 connections need to be confirmed with Ronds
Temperature Resolution	0.1°C	
Wiring length	≤30m	
<b>Process Signal Input</b>		
Sampling Interval	1min、 2min、 5min、 10min、 15min、 20min、 30min	
Compatible Sensor	OMEGA PX329-1KG5V	

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## Wireless Transmitter

### Compatible Sensors

Sensor Model	Classification	Features
RS105T-LP	Low Power Output One-axial Accelerometer	Frequency Response: 2Hz to 10KHz ( $\pm 3$ dB) Temperature Range: $-40^{\circ}\text{C}$ to $+125^{\circ}\text{C}$
RS106TC-LP	Low Power Output Triaxial Accelerometer	Z-axis Frequency Response: 2Hz to 20KHz ( $\pm 3$ dB) X/Y- axis Frequency Response: 0.1Hz to 1KHz ( $\pm 3$ dB) Temperature Range: $-40^{\circ}\text{C}$ to $+125^{\circ}\text{C}$
RS610-LP	Low Power Motor Condition Sensor (Speed)	Speed Range: 0. 1Hz to 800Hz