



CWF Sensor Datasheet

1. Introduction

The CWF Sensor series offers a range of versatile temperature sensors and probes designed for various applications, including air conditioners, refrigerators, water kettles, and ovens. These sensors ensure precise temperature monitoring, contributing to the optimal performance of household appliances. The CWF Sensor is particularly well-suited for environments that require accurate and reliable temperature control, such as in kitchen appliances and HVAC systems.

Discover more about the [CWF Temperature Sensor series](#), designed to meet your requirements with consistent performance.

2. Technical Specifications

The CWF Sensor series offers a range of versatile temperature sensors and probes designed for various applications, including air conditioners, refrigerators, water kettles, and ovens. These sensors ensure precise temperature monitoring, contributing to the optimal performance of household appliances. The CWF Sensor is particularly well-suited for environments that require accurate and reliable temperature control, such as in kitchen appliances and HVAC systems.

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Specification&Part No.:

Item	Parts and Drawing	Specification
1	<p>Temperature Sensor. for Induction Cooker</p>	<p>Nominal resistance: R25=100KΩ±5%, B25/50=3950K±1%. Insulation resistance: 500VDC, ≥100MΩ. Withstand voltage: 1200VAC~1500VAC, time 5 seconds. Operating temperature: -30 ~ +125℃.</p>
2	<p>Probe for Temperature for Air Conditioner</p>	<p>Nominal resistance 1: R25=5KΩ±1%, B25/50=3470K±1%. Nominal resistance 2: R25=10KΩ±1%, B25/50=3470K±1%. Nominal resistance 3: R25=50KΩ±1%, B25/50=3950K±1%. Insulation resistance: 500VDC, ≥100MΩ. Withstand voltage: 1200VAC~1800VAC, time 5 seconds. Operating temperature: -30 ~ +105℃.</p>
3	<p>Temperature Probe for Air Conditioner, Refrigerator</p>	<p>Nominal resistance 1: R25=5KΩ±1%, B25/50=3470K±1%. Nominal resistance 2: R25=10KΩ±1%, B25/50=3470K±1%. Nominal resistance 3: R25=10KΩ±1%, B25/50=3435K±1%. Insulation resistance: 500VDC, ≥100MΩ. Withstand voltage: 1200VAC~1500VAC, time 5 seconds. Operating temperature: -30 ~ +105℃</p>
4	<p>Temp Sensor for Cold Storage, Refrigerator</p>	<p>Nominal resistance 1: R5=5.06KΩ±2%, B5/25=3839K±2% Nominal resistance 2: R-18=16.9KΩ±2%, B-18/25=3771K±2% Insulation resistance: 500VDC, ≥100MΩ Withstand voltage: 1200VAC~1800VAC, time 5 seconds Operating temperature: -40 ~ +80℃</p>

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<p>5</p>	<p>Oven temperature sensor</p>	<p>Nominal resistance: $R_{200}=1K\Omega\pm 5\%$, $B_{100/200}=4537K\pm 3\%$ Insulation resistance: 500VDC, $\geq 100M\Omega$ Withstand voltage: 1200VAC~1800VAC, time 1 minute Operating temperature: $-40 \sim +260^{\circ}C$</p>
<p>6</p>	<p>Water Kettle, Coffee maker temperature sensor.</p>	<p>Nominal resistance 1: $R_z = 100K\Omega\pm 1\%$, $B_{25/85}=3770K\pm 1\%$ Nominal resistance 2: $R_s=50K\Omega\pm 1\%$, $B_{25/50}=3950\pm 1\%$ Nominal resistance 3: $R_s=10K\Omega\pm 1\%$, $B_{25/85}=3435K\pm 1\%$ Insulation resistance: 500VDC, $\geq 100M\Omega$ Withstand voltage: 1200VAC~1500VAC, time 5 seconds Operating temperature: $-30 \sim +125^{\circ}C$</p>
<p>7</p>	<p>Water Kettle, Coffee maker Probe for Temperature</p>	<p>Nominal resistance 1: $R_{25}=100K\Omega\pm 1\%$, $B_{25/85}=3770K\pm 1\%$ Nominal resistance 2: $R_{25}=50K\Omega\pm 1\%$, $B_{25/50}=3950K\pm 1\%$ Nominal resistance 3: $R_{25}=10K\Omega\pm 1\%$, $B_{25/85}=3435K\pm 1\%$ Insulation resistance: 500VDC, $\geq 100M\Omega$ Withstand voltage: 1200VAC~1500VAC, time 5 seconds Operating temperature: $-30 \sim +125^{\circ}C$</p>
<p>8</p>	<p>Temperature Probe for a Soybean Milk Machine</p>	<p>Nominal resistance: $R_{25}=50K\Omega\pm 1\%$, $B_{25/50}=3950K\pm 1\%$ Insulation resistance: 500VDC, $\geq 100M\Omega$ Withstand voltage: 1200VAC~1500VAC, time 5 seconds Operating temperature: $-30 \sim +125^{\circ}C$</p>
<p>9</p>	<p>Temp Sensor for Barbecue Fork, Deep Fryer</p>	<p>Nominal resistance 1: $R_{25}=100K\Omega\pm 1\%$, $B_{25/50}=3990K\pm 1\%$ Nominal resistance 2: $R_{25}=50K\Omega\pm 1\%$, $B_{25/50}=3950K\pm 1\%$ Insulation resistance: 500VDC, $\geq 100M\Omega$ Withstand voltage: 1200VAC~1800VAC, time 1 minute Operating temperature: $-40 \sim +260^{\circ}C$</p>

10	Water Kettle Temperature Sensor. CFW Sensor Datasheet	<p>Nominal resistance: $R_{25}=50K\Omega$ $\pm 1\%$, $B_{25/50}=3950K\pm 1\%$ Insulation resistance: 500VDC, $\geq 100M\Omega$ Withstand voltage: 1200VAC~1500VAC, time 5 seconds Operating temperature: $-30 \sim +125^{\circ}C$</p>
For more detailed information about our temperature probes, explore the complete temperature sensor series here .		
<h3>3. Conclusion</h3>		
<p>The CFW Sensor series is tailored for a wide variety of uses in household appliances, offering reliable temperature monitoring across different conditions. Whether it's for a barbecue fork, a deep fryer, or a refrigerator, the sensors deliver precision and dependability. By using these temperature sensors, you can ensure consistent performance and long-term reliability.</p>		
<p>Learn more about our comprehensive CFW Temperature Sensor solutions and find the best fit for your application needs today.</p>		