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## Shenzhen DXM Technology Co., Ltd.

### **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

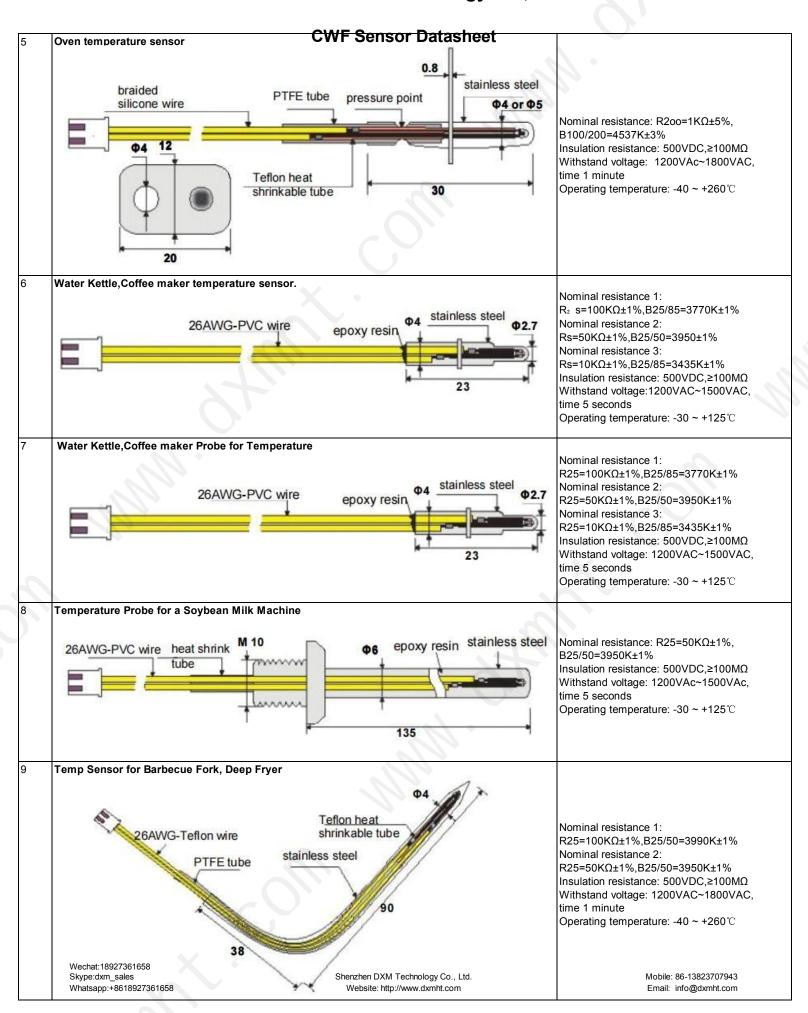
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#### Specification&Part No.:

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Item	Parts and Drawing	Specification
1	Temperature Sensor. for Induction Cooker  PVC silicone fiberglass sleeving nickel plated brass  8.5  04	Nominal resistance: R25=100KΩ±5%, B25/50=3950K±1%. Insulation resistance: 500VDC,≥100MΩ. Withstand voltage: 1200VAc~1500VAc, time 5 seconds. Operating temperature: -30 ~ +125℃.
2	Probe for Temperature for Air Conditioner  26AWG-PVC wire  epoxy resin  45 or 46 copper	Nominal resistance1: $R25=5K\Omega\pm1\%, B25/50=3470K\pm1\%.$ Nominal resistance 2: $R25=10K\Omega\pm1\%, B25/50=3470K\pm1\%.$ Nominal resistance 3: $R25=50K\Omega\pm1\%, B25/50=3950K\pm1\%.$ Insulation resistance: $500VDC, \ge 100M\Omega.$ Withstand voltage: $1200VAC \sim 1800VAC$ , time 5 seconds. Operating temperature; $-30 \sim +105^{\circ}C.$
3	Temperature Probe for Air Conditioner,Refrigerator  26AWG-PVC wire epoxy resin \$\Phi_5\$  15	Nominal resistance 1: R25=5K $\Omega$ ±1%,B25/50=3470K±1%. Nominal resistance 2: R25=10K $\Omega$ ±1%,B25/50=3470K±1%. Nominal resistance 3: R25=10K $\Omega$ ±1%,B25/50=3435K±1%. Insulation resistance: 500VDC,≥100M $\Omega$ . Withstand voltage: 1200VAc~1500VAc, time 5 seconds. Operating temperature: -30 ~ +105°C
4	Temp Sensor for Cold Storage, Refrigerator  26AWG-PVC sheath wire heat shrink tube epoxy resin ABS • 7	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℃

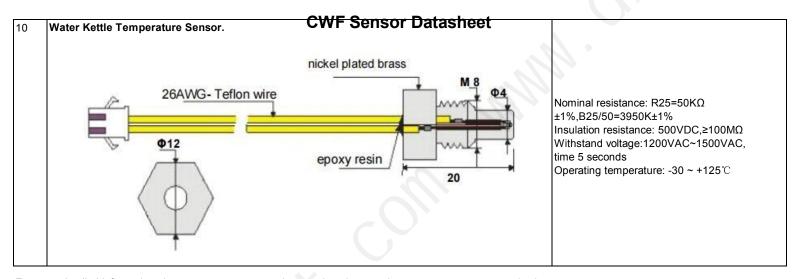
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For more detailed information about our temperature probes, explore the complete temperature sensor series here.

### 3. Conclusion

The CWF 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.

Learn more about our comprehensive CWF Temperature Sensor solutions and find the best fit for your application needs today.