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› USonline911 W10131825 Oven Temperature Sensor Instruction Manual for Whirlpool, KitchenAid, Jenn-Air, Maytag Ovens

USonline911 W10131825

USonline911 W10131825 Oven Temperature Sensor Instruction Manual

Model: W10131825

INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your USonline911 W10131825 Oven Temperature Sensor. This replacement part is designed to restore proper temperature regulation in compatible ovens from brands such as KitchenAid, Whirlpool, Jenn-Air, and Maytag.

A properly functioning oven temperature sensor is crucial for accurate cooking and baking results. This sensor helps your oven maintain the desired temperature, ensuring even heating and preventing issues like undercooked or overcooked food.



Image: The W10131825 Oven Temperature Sensor, showing the metal probe and the electrical connector.

SETUP AND INSTALLATION

Safety First: Before attempting any installation or repair, always disconnect power to the oven at the circuit breaker to prevent electrical shock. Wear appropriate safety gear, such as gloves, to protect your hands.

The W10131825 oven temperature sensor is typically located inside the oven cavity, often at the top rear or side. Its function is to monitor the internal temperature of the oven.

1. **Disconnect Power:** Turn off the circuit breaker supplying power to your oven.
2. **Locate the Sensor:** Open the oven door and identify the existing temperature sensor. It usually looks like a metal probe extending into the oven cavity, secured by one or two screws.
3. **Remove Old Sensor:** Carefully remove the screws holding the old sensor in place. Gently pull the sensor out of the oven cavity. The wire and connector will follow.
4. **Disconnect Wiring:** Disconnect the electrical connector from the old sensor. Note its orientation if necessary, though these connectors are often keyed to prevent incorrect reattachment.
5. **Install New Sensor:** Connect the new W10131825 sensor to the oven's wiring harness. Ensure the connection is secure.
6. **Secure Sensor:** Insert the new sensor probe into the oven cavity and secure it with the screws previously removed. Do not overtighten.
7. **Restore Power:** Close the oven door and restore power at the circuit breaker.

8. **Test Functionality:** Turn on the oven and set it to a desired temperature to verify proper operation.

Oven temperature sensor

Faulty temperature sensors can cause a fire. If your sensor is not working properly, you should replace it immediately. The oven sensor probe is made of high quality material to ensure long-term and efficient operation.



Image: An individual performing maintenance on an oven, illustrating the context for sensor replacement. The sensor is shown prominently in the foreground.

OPERATING PRINCIPLES

The W10131825 oven temperature sensor is a passive component that continuously monitors the temperature inside your oven. It sends resistance readings to the oven's control board, which then adjusts the heating elements to maintain the set temperature.

Once installed, the sensor operates automatically as part of your oven's temperature regulation system. No direct user interaction with the sensor itself is required during normal oven operation.



Oven temperature sensor

The use of advanced temperature sensing technology, can real-time monitoring of temperature changes in the oven, so that you can always master the best baking temperature. Whether it's bread, cake or pizza, it's easy to deal with and make your food more delicious!



Image: An oven display showing real-time temperature readings, demonstrating the sensor's role in temperature monitoring. The sensor is visible inside the oven cavity.

MAINTENANCE

The W10131825 oven temperature sensor is designed for long-term, reliable operation and generally requires no specific maintenance. However, to ensure its continued accuracy and lifespan:

- **Keep Clean:** During routine oven cleaning, ensure the sensor probe is free from food debris or grease buildup. A clean, damp cloth can be used to gently wipe the probe if necessary, after ensuring the oven is cool and power is disconnected.
- **Avoid Damage:** Be careful not to strike or bend the sensor probe with cookware or during cleaning, as physical damage can impair its function.
- **Regular Checks:** If you notice inconsistent oven temperatures or baking results, it may be an indication that the sensor's accuracy is compromised. Refer to the troubleshooting section.

TROUBLESHOOTING

A faulty oven temperature sensor can lead to several common oven performance issues. If you experience any of the following symptoms, the W10131825 sensor may need to be replaced:

- **Oven is too hot:** The oven consistently overheats, leading to burnt food.
- **Little to no heat when baking:** The oven does not reach or maintain the set temperature, resulting in undercooked food.
- **Oven not heating evenly:** Hot and cold spots within the oven cavity, causing uneven baking.
- **Will not start:** In some cases, a severely faulty sensor can prevent the oven from initiating a heating cycle.

If these symptoms persist after verifying proper installation, it is recommended to consult a qualified appliance technician or refer to your oven's specific service manual for further diagnostic steps.



Image: A user inspecting an oven, accompanied by a visual representation of common symptoms indicating a faulty oven temperature sensor.

SPECIFICATIONS

Part Number	W10131825
Replaces Part Numbers	4455636, WPW10131825, WPW10131825VP, PS11748765, AP6015486

Compatibility	Compatible with various models from KitchenAid, Whirlpool, Jenn-Air, Maytag. Refer to your appliance's service manual for exact compatibility.
Material	304 Stainless Steel Casing, Heat Resistant Braided Wire
Sensor Type	Premium Thermistor Sensor Chip



Image: A close-up view of the sensor, detailing its construction with callouts for the heat-resistant braided wire, 304 stainless steel casing, and premium thermistor sensor chip.

WARRANTY INFORMATION

Specific warranty details for the USonline911 W10131825 Oven Temperature Sensor are not provided in the available product data. Please refer to the product packaging or contact the retailer or manufacturer directly for warranty terms and conditions.

CUSTOMER SUPPORT

For technical assistance, installation questions, or further support regarding the W10131825 Oven Temperature Sensor, please contact USonline911 customer service. Contact information may be available

on the product packaging or through the retailer where the product was purchased.
You can also visit the [USonline911 Store on Amazon](#) for more information.