

# Surface Temperature Measurement for High Temperature Warewashers

## Tools Needed

- Irreversible Surface Temperature Test Strips, OR
- Irreversible Surface Temperature Thermometer

## Frequency

Daily

## Special Directions

Conduct this test once the warewasher is operational (turned on, filled with water, and temperature stabilized).

## Link to Training Video



Scan the QR code or click the link to see the training video.

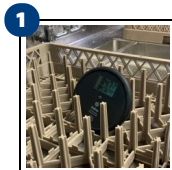
<https://bit.ly/33NjSOL>

## Background



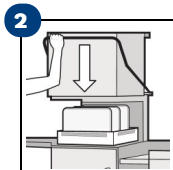
The food code requires an irreversible temperature indicator to check the sanitization process of high temperature dish/ware washers. Directions for the use of a digital thermometer or thermal test strip for taking surface temperatures vary by manufacturer.

## When using a Temp Plate Thermometer

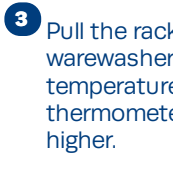


Turn **ON** the digital irreversible thermometer and place it in the upright position on a peg rack.

**REMINDER:** Replace the batteries in the Dish Temp Plate Thermometer when needed.



Run the rack with the thermometer in it through a warewash cycle.

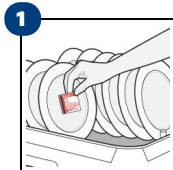


Pull the rack out of the warewasher and verify the temperature reading on the thermometer is 160°F (71°C) or higher.

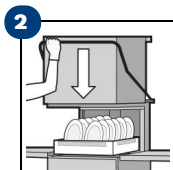


Turn **OFF** and store the thermometer in a designated location.

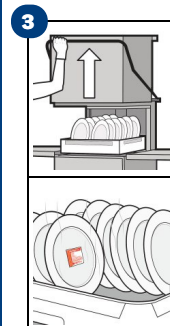
## When using a Temperature Test Strip



Adhere a test strip to a clean and dry ware.



Run a rack with the plate and temp sticker through (1) dishmachine cycle.



Verify the strip on the test sticker changes to the color specified by the sticker manufacturer, that indicates 160°F (71°C) or higher.

## Failures

- 1 Failure to achieve a surface temperature of 160°F (71°C) or higher can be caused by one or more of the following:
  - Plugged wash and/or final rinse spray nozzles
  - Final rinse temperature is not 180°F to 194°F (82°C to 90°C.)
  - Booster heater not turned ON
  - Water supplying booster heater is not at 140°F (60°C) or higher
  - Wash tank not meeting data plate temperature requirement
  - The dish machine has not had sufficient time to warm up
  - Etc