

Classic Thermometer Transferring Instructions

Supplies Needed

- Blank Classic Thermometer. Includes metal base and a glass bulb in a metal housing.
- Sublimation transfer
- Thermal rubber mat
- Wood press support, 14¼" x 4" x 5/8". If you make your own press support, we recommend using a hardwood because it resists warping.
- Heat resistant tape
- Oven mitt or heat-resistant gloves
- Clear silicone glue, Crazy Glue, or 4 small metal screws (not included)

Step 1: Adjust Heat Press

Heat Press Temperature: **400° F**
 Dwell Time: **4 - 4.5 minutes**
 Pressure: **Very Firm**

***Note:** These instructions, including transfer times and temperatures, are based on the inks, paper, presses, and products we use. Your inks, papers, etc. may require adjustments in your time/temp settings.*

Step 2: Design Your Transfer

You can download templates from <http://www.laserreproductions.com/Design-Templates.html> Using our templates is essential for properly lining up the transfer to the thermometer. Print your transfer in the usual manner, making sure to mirror your image.

Step 3: Transfer the Image

1. Place your image transfer face-up on the table.
2. Place the Classic Thermometer face-down on the transfer. Make sure it is correctly registered on all four sides. Line up the 2 screw holes printed on the transfer paper with the 2 screw holes in the thermometer.
3. Tape into position using heat tape. Alternatively, you may use a light coating of spray adhesive rather than heat tape.
4. Place the wood press support on the center of the heat press platen.
5. Place the Classic Thermometer/transfer over the wood support. Make sure that the metal base fits flat against the wood support.
6. Cover the thermometer with the thermal mat.
7. Close the heat press. Using **Very Firm** pressure, press at **400° F** for **4 - 4.5 minutes**.

8. Open the press, remove the product, and peel away the transfer. **CAREFUL** handling the thermometer, it will be very hot. We recommend using an oven mitt or heat resistant gloves.

Step 4: Apply the Glass Bulb

Note: If there is a bubble in the glass bulb, place it in a glass of very warm water for a few minutes. The red liquid will rise and the bubble will disappear. Remove the bulb from the water, let it dry, and proceed.

1. After the thermometer has cooled, gently place the glass bulb/metal housing over the vertical opening in the **back** of the thermometer. Line up the four small holes on the metal bulb housing with the four small holes on the thermometer base. The small red line on the glass bulb must be positioned at the 68° Fahrenheit mark (20° centigrade).
2. Secure each side of the bulb/housing to the thermometer using a strong silicone or glue. Or, if you prefer, you can use small screws or rivets (not included) to secure the bulb to the thermometer base.
3. Allow to dry.

Transfer Tips, Techniques & Troubleshooting

1. Print two or more Classic Thermometer images on one sheet of transfer paper to save money on paper.
2. Prints light in places:
 - a. Check the accuracy of your press thermostat with a Rayvek gun or temperature strip.
 - b. Check your time and temperature. You should be pressing at **F** for **4 - 4.5 minutes**, but presses can vary. Lightness can be caused by *too much* time or heat (burnout) as well as *too little* time or heat. Try increasing or lowering the heat. You might also try increasing or lowering the pressing time.
 - c. You may not be using enough pressure, or you may have a “cold” or worn spot in your press. Try increasing pressure and/or moving the object over slightly. If you have pressed several thermometers, try lining each one up in the same place as the one before, to avoid the possibility of uneven pressure caused by the indentation they can make on the press bed.
 - d. Make sure your rubber mat is not worn in spots from previous pressings.
3. The outside edges print light:
 - a. Check to make sure you are using really *firm* pressure.
 - b. Make sure you have placed the thermometer *face-up* in the *center* of the press.
 - c. Make sure your press support is smooth and even on both sides – and equal thickness all the way around.

Customer Support

For support on these or any of our products, please call our toll-free number for assistance: **877.795.1500**. You may also write to us at Support@LaserReproductions.com.