

LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT VERIFICATION PROCEDURE

THERMOMETER (ASTM E1, E77)

Equipment

1. A secondary thermometer as same ASTM designation being checked. This thermometer may be obtained from the Materials Section and shall be recertified every two years.

Procedures

1. Place the secondary thermometer and the test thermometer at the same depth in the bath and as close together as possible.
2. Allow at least fifteen minutes for the temperatures of the thermometers to stabilize. Record the readings from both thermometers.
3. If the readings are not identical on the thermometers calling for reference procedure E1, replace the test thermometer. Check the new thermometer against the test thermometer using the above procedure.
4. On the baths where the reference procedure E77 is required, a corrected factor must be shown on a label on the bath.