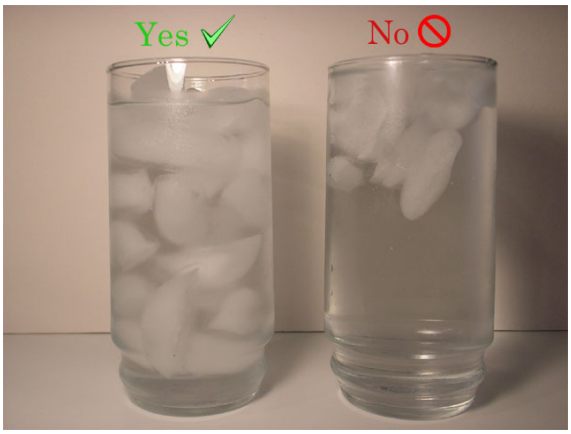
How to calibrate a stem thermometer

Freezing point calibration

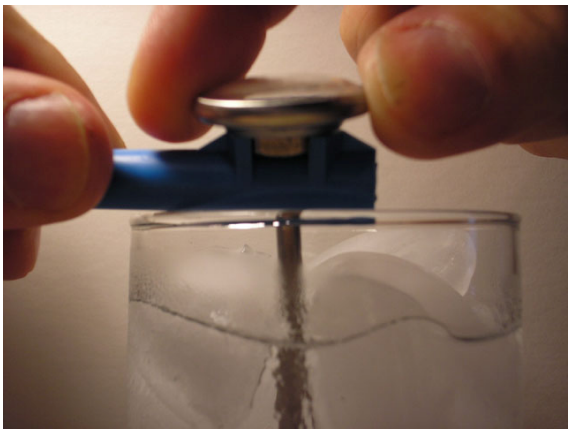
Get a container of ice water (glass, pan, etc.) Make sure that the container is mostly ice with a little bit of water. (See picture.)



Place the thermometer in the container and wait a couple minutes. (Tip: stir the water a couple times while waiting to get a nice even temperature in the container.)

Read the temperature on the thermometer. If it says **32°F**, then your thermometer is calibrated.

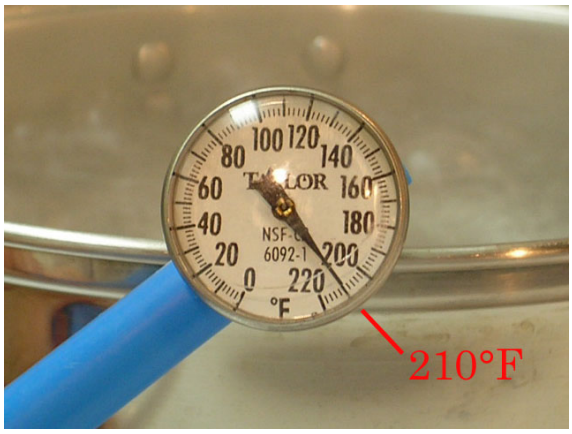
If the temperature on the thermometer does not read **32°F**, then calibrate the thermometer by holding the bolt below the dial (with the thermometer tool or pliers) and turning the dial until the arrow on the dial is pointing at **32°F.**



Boiling point calibration

Make a pot of boiling water. Place the thermometer (carefully) in the boiling water.

Read the temperature on the thermometer. If it says **210°F**, then your thermometer is calibrated.



If the temperature on the thermometer does not read **210°F**, then calibrate the thermometer by holding the bolt below the dial (with the thermometer tool or pliers) and turning the dial until the arrow on the dial is pointing at **210°F.**

Note:
Boiling point decreases with elevation. If your facility is located at a high elevation, the boiling point of water will be 1-2 degrees less at your location.

Elevation above 1500ft – Boiling point of water: 209°F
Elevation above 2000ft – Boiling point of water: 208°F

Revised 4/26/2016