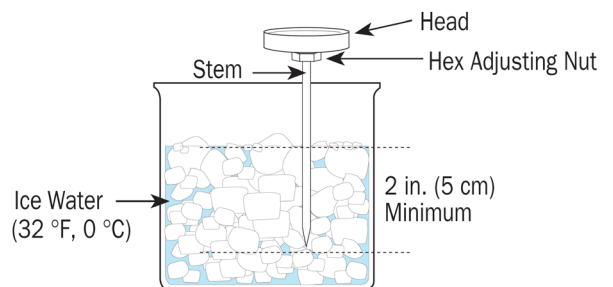


Thermometer Calibration

Ice Water Method

1. Fill a large container with crushed ice.
2. Add cold water to within 1cm (1/2 inch) of the top of the container (water level should be slightly below the ice, add more ice if needed).
3. Stir the mixture well. Let sit for one minute.
4. Place the thermometer in a container so that the sensing area of the stem or probe is completely submerged over the dimple.
5. Keep the thermometer from touching the sides or bottom of the container.
6. Let the thermometer stay in ice water for 30 seconds or until the dial stops moving (or the temperature on the digital thermometer stops fluctuating).
8. Place the calibration tool on the hex adjusting nut and rotate until the dial reads 0°C (32°F) while in the ice water mixture.
9. Some digital stemmed thermometers (thermistors), and thermocouples have a reset button that should be pushed.
10. Repeat the process with each thermometer.
11. Record calibration activity in the calibration log.



References: Thermoworks, CDN Instruments, USDA, Manitoba Agriculture