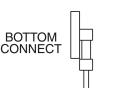
Chicago Stainless Equipment

Bi-Metal Thermometer Operating and Calibration Procedure







CALIBRATING INSTRUCTIONS:

- A master thermometer with a high degree of accuracy should be used for calibrating.
- Place thermometer to be calibrated alongside a master thermometer. Immerse both thermometers into an agitated liquid for at least 3 minutes. Compare temperatures. IMPORTANT--For accurate reading thermometer must be immersed PAST GROOVE on lower portion of stem. Master thermometer should also be immersed to same depth.

Figure A

NOTE: "Recal" models can be calibrated by using the external reset feature as shown in Figures A, B, and C below.

GENERAL INFORMATION:

- Accuracy is ±1% full span per ASME B40.3 Grade A. Adjustment of the angle between case and stem may affect accuracy up to 0.5% of span (ASME B40.3).
- Over temperature limits up to 250°F 100%; 250°F to 550°F, 50%; 550°F to 1000°F, continuous use up to 800°F, intermittent use over 800°F.
- For accurate reading thermometer must be immersed PAST GROOVE on lower portion of stem.

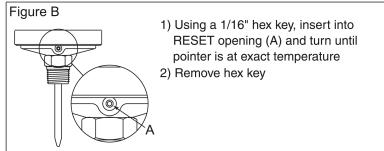
CAUTION:

- Any severe shock to the thermometer dropping, bending of the stem or head, etc., can possibly impair its accuracy.
- When installing thermometer into threaded connection, always tighten with wrench on hex nut. NEVER use the head of the thermometer for tightening--SEVERE DAMAGE to thermometer will result.

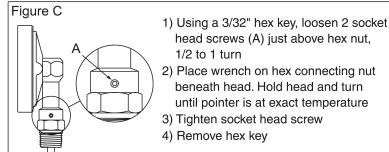
CALIBRATING 2" BACK CONNECTED MODEL

 Using a 5/64" hex key, loosen socket head screw (A) just above hex nut, 1/2 to 1 turn
Place wrench on hex connecting nut beneath head. Hold head and turn until pointer is at exact temperature
Tighten socket head screw
Remove hex key

CALIBRATING 3, 4, AND 5" BACK CONNECTED AND ADJUSTABLE ANGLE MODELS



CALIBRATING 3, 4, AND 5" BOTTOM CONNECTED MODELS

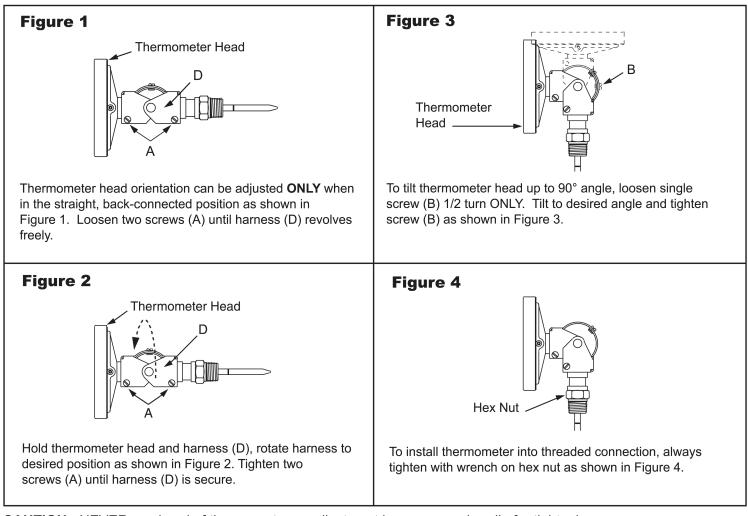


Chicago Stainless Equipment

Bi-Metal Thermometer Operating and Calibration Procedure

INSTRUCTIONS FOR REPOSITIONING AND INSTALLING ADJUSTABLE ANGLE THERMOMETERS

Thermometer head orientation can be adjusted by rotating the harness assembly up to 360°.



CAUTION: NEVER use head of thermometer or adjustment harness as a handle for tightening. SEVERE DAMAGE to thermometer will result.