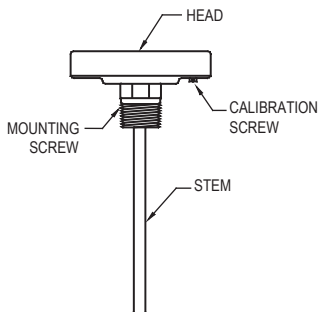




## INSTRUMENTS



## REOTEMP INSTRUMENT CORPORATION Installation and Use Procedure, Back & Bottom Connect Thermometer

- A. Carefully remove the thermometer from the shipping box. Inspect for any shipping damage. If damaged report it to your freight carrier.
- B. Install the thermometer into the process fitting or thermowell. Tighten the mounting screw, using an open-end wrench of the appropriate size. Continue to tighten the mounting screw until the head is facing the desired position.

**NOTE: The thread on the mounting screw is a pipe thread. The thread should be prepared as necessary, to prevent leaking of the process fluid.**

**REOTEMP recommends using a thermowell for pressurized process applications. See thermowell instructions on back of page for proper installation.**

**CAUTION: Installing thermometer in vibrating environments may cause damage or calibration drift. REOTEMP can provide silicone filling of thermometer case for vibrating applications up to 500°F max.**

**CAUTION: The thermometer head should not be exposed to continuous temperature above 200°F.**

REOTEMP Instrument Corporation, 10656 Roselle Street, San Diego, CA 92121

Toll free: 800-648-7737 - Ph: (858)784-0710 - Fx: (858)784-0720

www.reotemp.com Email: sales@reotemp.com

BBTINST-0414

### Installation in Thermowell

1. Install thermowell into the process so a tight, non-leaking fit is achieved.
2. Coat the thermometer stem with a suitable heat transfer compound (e.g. A mixture of graphite and glycerin or petrolatum). REOTEMP heat transfer compound (P/N HTC) is available.

**NOTE: Above 350°F, some smoking of the heat transfer compound may occur as the liquid portion of the compound vaporizes, leaving dry graphite to perform the heat transfer function.**

3. After coating the thermometer stem, install the thermometer as stated in B on other side.

### Maintenance

- 1) Cleaning:
  - a) Keep dial lens clean for proper viewing. Clean using commercial window cleaner.
  - b) Periodic cleaning of residue from the stem may be required to ensure thermometer sensitivity if installed without a thermowell.
- 2) Calibration: Periodic calibration should be as determined by the user.
  - a) Immerse the thermometer stem into a temperature-calibrated medium. Immerse entire stem or 4" (100mm) minimum.
  - b) Use a small open-end wrench or flat tipped screwdriver to turn the calibration screw. Turn the calibration screw to adjust the thermometer pointer to the correct temperature if necessary.

#### Special Instructions for Bottom Connected Thermometers:

The external adjustment screw on the back of the case is for minor (<1%) pointer adjustments only. PLEASE NOTE that turning the external adjustment screw WILL ROTATE THE dial with respect to the stem