



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.

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.

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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