REOTEMP
INSTRUMENTS

# AS-86
# THERMOWELL CONVERSION KIT

Designed to enable installation of REO*TEMP* Bimetal Thermometer in existing Industrial Glass Thermometer Thermowell.

**THE ADAPTER SET CONSISTS OF:**

1. An adapter nut.
2. A metal liner and spring assembly.
3. Heat conducting medium in a plastic vial.
4. A Q-tip to apply the medium.
5. A material safety data sheet will be provided upon request.

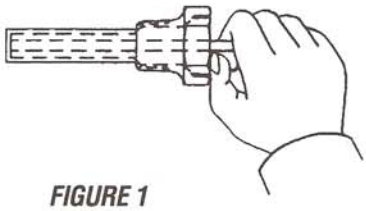


*FIGURE 1*

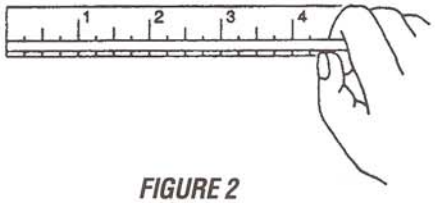
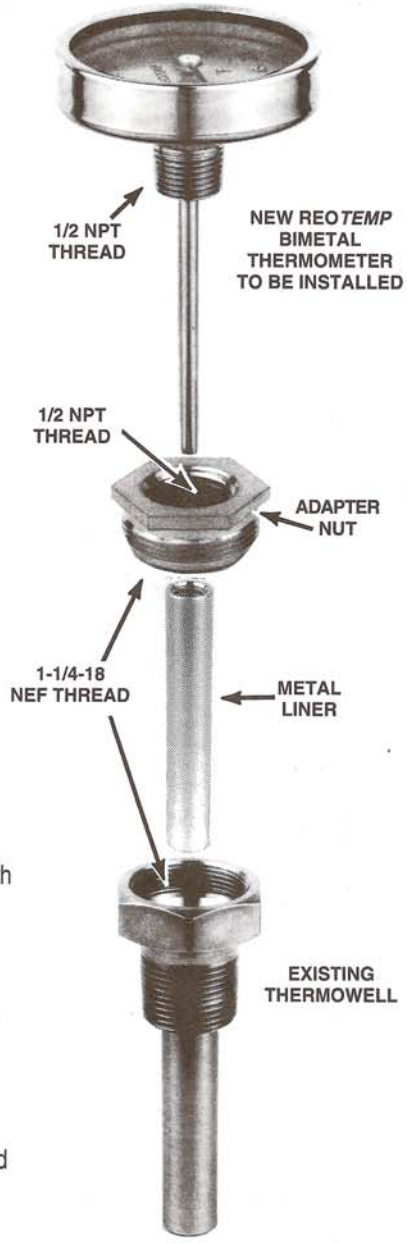



*FIGURE 2*




**SELECTION AND INSTALLATION OF A BIMETAL THERMOMETER**

1. Measure well depth by inserting a pencil or small diameter rod into well until it reaches the bottom *(Figure 1).*
2. Using thumb as index, measure distance from end of rod to index point *(Figure 2).*
3. Refer to Selection Table *(Figure 3)* to select proper thermometer stem length. Thermometer stem length must match well depth as indicated on the Selection Table.

| WELL DEPTH IN INCHES | ADAPT. | BIMETAL STEM LENGTH S |
|---|---|---|
| 3 to 4 | AS-86 | 4 |
| 5 to 7 | AS-86 | 6 |
| 8 to 10 | AS-86 | 9 |
| 10 to 13 | AS-86 | 12 |
| 13 to 16 | AS-86 | 15 |
| 16 to 19 | AS-86 | 18 |
| 19 to 25 | AS-86 | 24 |

*FIGURE 3*

4. Assemble adapter nut into well and tighten securely.
5. Coat the lower 3" section of the thermometer stem with a layer of heat conducting medium to improve the temperature response of the thermometer.
6. Slide the metal liner over the end of the thermometer stem and apply a coating of heat conducting medium to the outside wall of the liner.
7. Insert the thermometer and liner into the well and tighten in position.
8. The metal liner is tapped with a 3/8-16 machine thread for easy removal from the well if desired.

Where service termperatures exceed 350˚F, the heat conducting medium may smoke when first subjected to high temperature. This is caused by the vehicle, in the heat conducting medium, vaporizing and leaving dry solids behind. This should not be cause for alarm. The dry solids will act equally well as a heat conducting medium for temperatures up to 1000˚F.

REOTEMP
INSTRUMENTS

10656 Roselle Street • San Diego, California 92121 U.S.A.
Telephone: (858) 784-0710 • FAX (858) 784-0720
www.reotemp.com