

**RANGE**

The maximum operating pressure should not exceed 75% of the full-scale range. The normal operating range should be in the middle half of the range (between 25% and 75% of the full-scale range); whenever possible.

**DIAL SIZE**

Select a dial size that allows you to comfortably read the dial from the normal distance when installed.

**ACCURACY**

All Weksler BiMetal Thermometers have an accuracy of  $\pm 1\%$  of the full-scale range. For accurate readings stem must be immersed at least 2 inches in liquids and 4 inches in gases.

**UNDER/OVER RANGE PROTECTION**

Temporary exposure to temperatures under or over 50% of the full-scale range will not impair accuracy (up to 500°F or 260°C maximum).

**CASE ASSEMBLY**

The case, bezel, stem and fittings are stainless steel (300 series). The head assembly is sealed to exclude dirt, dust and moisture on 3" and 5" dial sizes, all joints are welded.

**DIALS**

Dials are white with clear black graduations and numerals and are easy to read.

**FACE**

A gasketed glass window is standard on 3" and 5" dial sizes. Where breakage is a concern, a plastic or shatterproof glass window is optional at extra cost. On 1" and 2" dial sizes a plastic window is standard (no options available). Plastic windows are not suitable where head temperature exceeds 150°F (65°C).

**EXTERNAL ADJUSTMENT**

An external adjustment at the rear of the 3" and 5" case permits adjustment at a specific point or pointer repositioning during calibration check.

**VIBRATION AND SHOCK**

If present, use of either a heavy duty bimetal, MIL SPEC BiMetal or a remote mounted gas actuated thermometer is recommended.

**HIGH PRESSURE OR CORROSIVE APPLICATIONS**

In these applications, use of a separable thermowell is recommended. In addition to protecting the thermometer, thermowells facilitate removal of the thermometer without having to shut down the system.