

VAPOR ACTUATED DIAL THERMOMETERS

Product Selection Considerations

When selecting a dial thermometer, consideration must be given to the following factors:

Warning

Selection of the appropriate instrument is the sole responsibility of the user. Improper application or installation may cause product failure, resulting in personal injury or property damage. Consult ASME B40.200 for further information.

Measuring Range

Being vapor actuated, Miljoco Dial Thermometers feature a progressively graduated scale, and therefore, the range should be selected so that the working temperature falls into the upper two-thirds of the range. A wide array of ranges from -40°F to 450°F are available to suit almost any application requirement.

Process Fluid

The composition of the process fluid should be considered to ensure that it is compatible with the wetted parts of the thermometer and/or thermowell. All thermometers specified for use with corrosive or caustic fluids, or those contained under pressure, should be installed in a thermowell of the appropriate material to protect the stem of the instrument.

Ambient Conditions

The ambient temperature should be considered so that the materials of construction are suited to the application. Optional sealed cases, lens o-rings, and/or weepholes should be considered to help prevent fogging of the lens when humidity or moisture are concern.

Installation Requirements

The mounting style required (direct, surface or panel) and outlet location (bottom or back) should be considered to ensure the thermometer will suit the application requirements. A variety of tube systems and connections are offered, however, other specialized types may be available – consult factory. CAUTION: The sensing bulb and case should be installed at a similar height to maintain the designed accuracy of the thermometer. If the sensing bulb must be mounted at a different height than the case (especially over long capillary tubing runs), please advise the factory when ordering.

Accuracy Requirements

The accuracy requirement of the application should be considered to ensure safety and efficiency for the operators and users of the process system.

NSF® Service

Many Miljoco Dial Thermometers are listed by NSF® for use in the food service industry. When this listing requirement is specified, a smooth, nickel-plated copper sensing bulb and capillary tubing are furnished, along with dial face imprinting or case labeling. Consult factory for available models, ranges and configurations.

Specification Selections

Miljoco Dial Thermometers are available in a wide variety of configurations to suit almost any application. For assistance with determining the correct product to suit your application, please contact us with the following information:

Dial Size: 1½" 2" 2½" 3½" 4" 4½" 6" 12"

Temperature Range: _____ **Scale:** Dual °F/°C °F only °C only

Mounting Method: Front Flange U-Clamp Rear Flange Adjustable Direct Mount

Connection: Plain Bulb 1/2" NPT Union 1/2" NPT Union with Extension

Capillary Material: Tin Plated Copper Smooth Copper Bronze Braided
 Smooth Stainless Steel Stainless Steel Armor

Case Material: Stainless Steel Aluminum Plastic Other _____

Lens: Glass Press-In Plastic Threaded Plastic Other _____

Mounting Method: Lower Back Rear Flange Front Flange U-Clamp

Liquid Fill: None-Dry Glycerine Silicone Oil Other _____

Additional Requirements: _____

