

INDUSTRIAL THERMOMETERS

Product Selection Considerations

When selecting an industrial 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

The measuring range should be selected so that the system temperature falls at approximately the mid-point of the scale. Care should be exercised to ensure that the instrument is not exposed to temperatures greater than the high end of the measuring range.

Process Fluid

Miljoco Industrial Thermometers are designed primarily for use in commercial HVAC applications such as hot water, chilled water, and air-ducts. Thermometers specified for use with other process fluids should be provided with 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. Miljoco Industrial Thermometers are not hermetically sealed and therefore should not be specified when humidity or moisture are of concern.

Installation Requirements

Miljoco Industrial Thermometers are provided with a 1¼-18 UNF coupling nut for well mounting within a pipeline or tank; or a flange for mounting within an air-duct. The stem should be immersed a minimum of halfway into the pipeline.

Accuracy Requirements

Miljoco Industrial Thermometers are accurate to within ± one scale division.

Thermowells

A thermowell of appropriate material compatible with the process fluid should be selected to protect the stem and also allow the thermometer to be removed from the process without shutting down the system. The length should be selected to allow the appropriate immersion into the process fluid. A lagging type thermowell is available to allow for piping insulation. The thermowell should be primed before thermometer installation with a heat transfer medium, such as oil, graphite or paste, to provide optimal accuracy and response time.

Specification Selections

Miljoco Industrial 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:

Scale: 7" 9" LCD Display

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

Stem Length: 3½" 6" 6" Air-Duct Other _____

Lens: Glass Plastic Solar N/A

Thermowell: Brass 304SS 304SS Standard Lagging

Additional Requirements: _____

