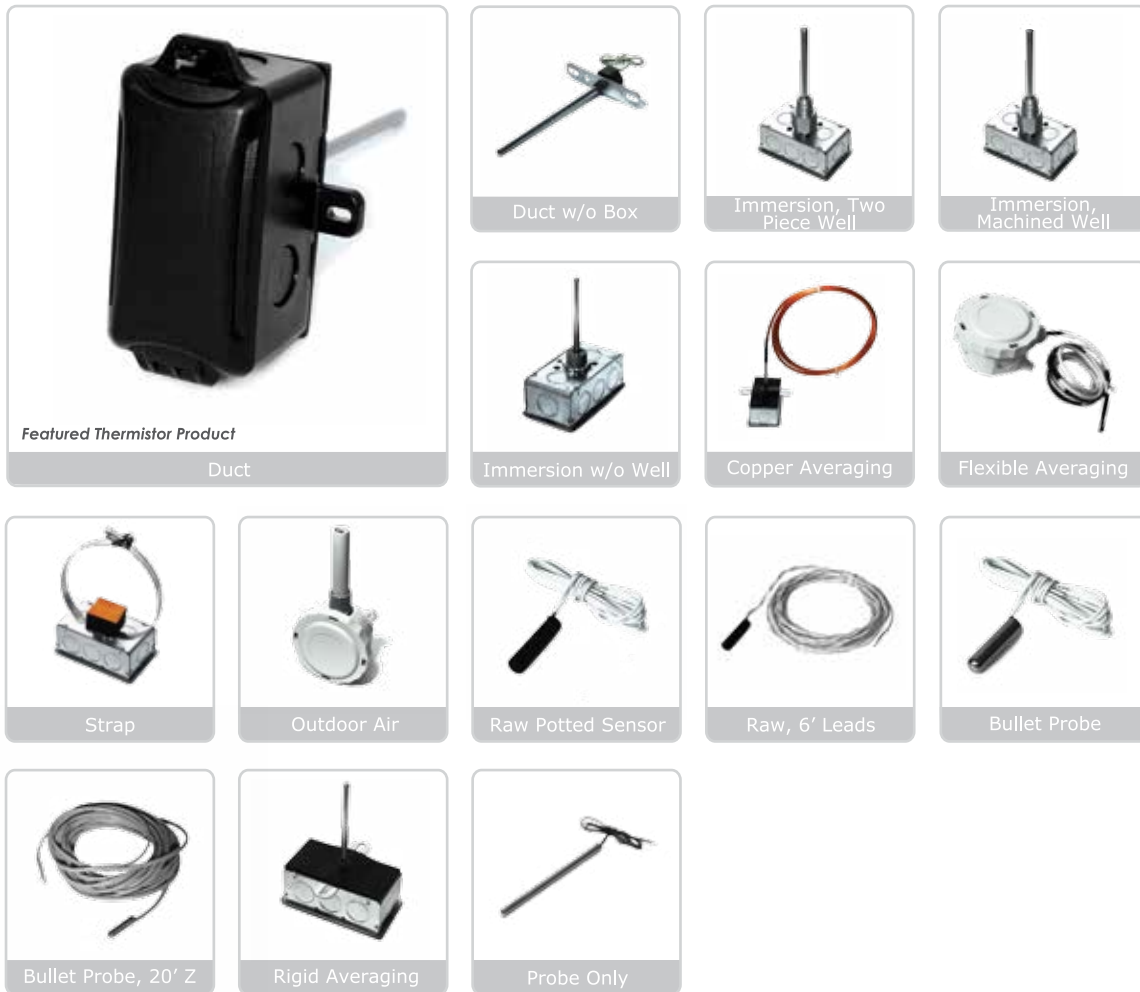


# Thermistor Type Sensors

## I-1.8K...20K



# Thermistors

## General Mounting

A comprehensive selection of general mounting configurations for Thermistors (see list above) are available. These sensors provide a predictable and accurate output over the specified temperature range. Each sensor configuration is designed and manufactured for long-term quality and performance. Standard features such as double encapsulation and etched Teflon leads are incorporated where applicable.

## Specifications

<b>Accuracy (0-70°C)</b>	Single Point: +/-0.2°C (+/-0.36°F)	<b>Power Dissipation Constant</b>	3 mW/°C
<b>Stability</b>	+/-0.13°C (+/-0.23°F)	<b>Operating Humidity</b>	10 to 95% RH non-condensing
<b>Interchangeability</b>	+/-0.2°C (+/-0.36°F)	<b>Product Dimensions</b>	Please reference pages 5, 6, 7 & 8
<b>Operating Temperature Range</b>	-40 to 302°F (-40 to 150°C)		

## Ordering

Select one Series (A), one Configuration (B), one Length (C), one Enclosure (D) & one Lead Wire (E) (optional). **NOTE:** See Thermowell data sheet for proper well selection for all Immersion related sensors. Enclosure options (D) include Plastic Box (PB), Galvanized Box (GD), NEMA 3R (BB), NEMA 4X (4X), & Euro Housing (EH). The Plastic Box (PB) is rated from 0 to 203°F. Stay within the same row throughout the selection process for all General Mounting pages. ▶

### A Sensor Series

- I-AN
- I-3K
- I-20K
- I-10KS
- I-CSI
- I-10KE
- I-CP
- I-1.8K
- I-100KS
- I-2252
- I-AN-BC
- I-10KE1

B Configuration	C Length	D Enclosure	E Lead Wire
<input type="radio"/> D (Duct) ▶	<input type="radio"/> 4" <input type="radio"/> 6" <input type="radio"/> 8" <input type="radio"/> 12" <input type="radio"/> 18" ▶	<input type="radio"/> PB <input type="radio"/> GD <input type="radio"/> BB <input type="radio"/> 4X <input type="radio"/> EH ▶	<input type="radio"/> ---- (N/A)
<input type="radio"/> DO (Duct w/o Box) ▶	<input type="radio"/> 4" <input type="radio"/> 6" <input type="radio"/> 8" <input type="radio"/> 12" <input type="radio"/> 18" ▶	<input type="radio"/> ---- (No Enclosure) ▶	<input type="radio"/> 6'CL2P <input type="radio"/> 10'CL2P <input type="radio"/> 20'CL2P
<input type="radio"/> PO (Probe Only) ▶	<input type="radio"/> 4" <input type="radio"/> 6" <input type="radio"/> 8" <input type="radio"/> 12" <input type="radio"/> 18" ▶	<input type="radio"/> ---- (No Enclosure) ▶	<input type="radio"/> 6'CL2P <input type="radio"/> 10'CL2P <input type="radio"/> 20'CL2P
<input type="radio"/> I (Immersion, Two Piece Well) ▶	<input type="radio"/> 2.5" <input type="radio"/> 4" <input type="radio"/> 6" ▶	<input type="radio"/> PB <input type="radio"/> GD <input type="radio"/> BB <input type="radio"/> 4X <input type="radio"/> EH ▶	<input type="radio"/> ---- (N/A)
<input type="radio"/> IM (Immersion, Machined Well) ▶	<input type="radio"/> 2.5" <input type="radio"/> 4" <input type="radio"/> 6" ▶	<input type="radio"/> PB <input type="radio"/> GD <input type="radio"/> BB <input type="radio"/> 4X <input type="radio"/> EH ▶	<input type="radio"/> ---- (N/A)
<input type="radio"/> INW (Immersion w/o Well) ▶	<input type="radio"/> 2.5" <input type="radio"/> 4" <input type="radio"/> 6" <input type="radio"/> 50' <input type="radio"/> 80' <input type="radio"/> 100' ▶	<input type="radio"/> PB <input type="radio"/> GD <input type="radio"/> BB <input type="radio"/> 4X <input type="radio"/> EH ▶	<input type="radio"/> ---- (N/A)
<input type="radio"/> A (Copper Averaging) ▶	<input type="radio"/> 8' <input type="radio"/> 12' <input type="radio"/> 24' ▶	<input type="radio"/> PB <input type="radio"/> GD <input type="radio"/> BB <input type="radio"/> 4X <input type="radio"/> EH ▶	<input type="radio"/> ---- (N/A)
<input type="radio"/> FA (Flexible Cable Averaging) ▶	<input type="radio"/> 8' <input type="radio"/> 12' <input type="radio"/> 24' ▶	<input type="radio"/> PB <input type="radio"/> GD <input type="radio"/> BB <input type="radio"/> 4X <input type="radio"/> EH ▶	<input type="radio"/> ---- (N/A)
<input type="radio"/> RA (Rigid Averaging) ▶	<input type="radio"/> 18" <input type="radio"/> 24" <input type="radio"/> 36" ▶	<input type="radio"/> PB <input type="radio"/> GD <input type="radio"/> BB <input type="radio"/> 4X <input type="radio"/> EH ▶	<input type="radio"/> ---- (N/A)
<input type="radio"/> S (Strap) ▶	<input type="radio"/> ---- (No Length) ▶	<input type="radio"/> PB <input type="radio"/> GD <input type="radio"/> ---- <input type="radio"/> 4X <input type="radio"/> EH ▶	<input type="radio"/> ---- (N/A)
<input type="radio"/> O (Outdoor Air) ▶	<input type="radio"/> ---- (No Length) ▶	<input type="radio"/> ---- <input type="radio"/> ---- <input type="radio"/> BB <input type="radio"/> 4X <input type="radio"/> EH ▶	<input type="radio"/> ---- (N/A)
<input type="radio"/> W (Raw Potted Sensor) ▶	<input type="radio"/> ---- (No Length) ▶	<input type="radio"/> ---- (No Enclosure) ▶	<input type="radio"/> ---- (N/A)
<input type="radio"/> W-6' (Raw w/6' Leads) ▶	<input type="radio"/> ---- (No Length) ▶	<input type="radio"/> ---- (No Enclosure) ▶	<input type="radio"/> ---- (N/A)
<input type="radio"/> BP (Bullet Probe) ▶	<input type="radio"/> ---- (No Length) ▶	<input type="radio"/> ---- (No Enclosure) ▶	<input type="radio"/> 6'CL2P <input type="radio"/> 10'CL2P <input type="radio"/> 20'CL2P
<input type="radio"/> BP-20'Zip (BP, 20' of Zip Wire) ▶	<input type="radio"/> ---- (No Length) ▶	<input type="radio"/> ---- (No Enclosure) ▶	<input type="radio"/> ---- (N/A)

## Build your part number

After completing (A), (B), (C), (D) & (E) from the above table, fill in the "Part Number Table" below. An example part number is offered.

<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>
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EXAMPLE: I-CP - D - 4" - PB



CE exception: Averaging units and any other configuration with leads longer than 3 meters.  
 The Plastic Box has a UL94-HB rating. The NEMA 4X enclosure has a UL94-V2 flammability rating. The Euro Housing enclosure has a UL94-V0 flammability rating.