Featured Thermistor Product

Duct

Duct w/o Box

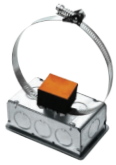
Probe Only

Pipe Mount

Immersion w/o Well

Copper Averaging

Flexible Averaging



Strap

Outdoor Air

Raw Potted Sensor

Raw, 6' Leads

Bullet Probe

Bullet Probe, 20' Z

Rigid Averaging

Immersion, Two Piece Well

Immersion, Machined Well

THERMISTORS

General Mounting

ACI offers a comprehensive selection of general mounting configurations for Thermistors (see list above). 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. ACI incorporates standard features such as double encapsulation and etched Teflon leads where applicable.

SPECIFICATIONS

Accuracy (0-70ºC)	Single Point: +/-0.2ºC (+/-0.36ºF)
Stability	+/-0.13ºC (+/-0.23ºF)
Interchangeability	+/-0.2ºC (+/-0.36ºF)
Operating Temperature Range	-40 to 302ºF (-40 to 150ºC)
Sensor Output [A/AN]	10KΩ @ 77ºF (Type III)
Sensor Output [A/CP]	10KΩ @ 77ºF (Type II)
Sensor Output [A/3K]	3KΩ @77ºF (25ºC)
Sensor Output [A/1.8K]	1.8KΩ @77ºF (25ºC)
Sensor Output [A/20K]	20KΩ @77ºF (25ºC)
Sensor Output [A/100KS]	100KΩ @77ºF (25ºC)
Sensor Output [A/10KS]	10KΩ @77ºF (25ºC)
Sensor Output [A/2252]	2252Ω @77ºF (25ºC)
Sensor Output [A/CSI]	10KΩ @77ºF (25ºC)
Sensor Output [A/AN-BC]	10KΩ with 11K Shunt
Sensor Output [A/10K-E]	10KΩ @77ºF (25ºC)
Sensor Output [A/10K-E1]	10KΩ @77ºF (25ºC)
Power Dissipation Constant	3 mW/ºC
Operating Humidity	10 to 95% RH non-condensing
Product Dimensions	Please reference pages 5, 6, 7 & 8

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 203ºF. Stay within the same row throughout the selection process for all General Mounting pages. ▸

A Sensor Series

◯ **A/AN**	◯ **A/3K**	◯ **A/20K**	◯ **A/10KS**	◯ **A/CSI**	◯ **A/10K-E**
◯ **A/CP**	◯ **A/1.8K**	◯ **A/100KS**	◯ **A/2252**	◯ **A/AN-BC**	◯ **A/10K-E1**

B Configuration	C Length	D Enclosure	E Lead Wire
◯ **D** (Duct) ▸	◯ **4″** ◯ **6″** ◯ **8″** ◯ **12″** ◯ **18″** ▸	◯ **PB** ◯ **GD** ◯ **BB** ◯ **4X** ◯ **EH** ▸	◯ **----** (N/A)
◯ **DO** (Duct w/o Box) ▸	◯ **4″** ◯ **6″** ◯ **8″** ◯ **12″** ◯ **18″** ▸	◯ **----** (No Enclosure) ▸	◯ **----** (N/A)
◯ **PO** (Probe Only) ▸	◯ **4″** ◯ **6″** ◯ **8″** ◯ **12″** ◯ **18″** ▸	◯ **----** (No Enclosure) ▸	◯ **6′CL2P** ◯ **10′CL2P** ◯ **20′CL2P**
◯ **I** (Immersion, Two Piece Well) ▸	◯ **2.5″** ◯ **4″** ◯ **6″** ▸	◯ **PB** ◯ **GD** ◯ **BB** ◯ **4X** ◯ **EH** ▸	◯ **----** (N/A)
◯ **IM** (Immersion, Machined Well) ▸	◯ **1″** ◯ **2.5″** ◯ **4″** ◯ **6″** ◯ **12″** ▸	◯ **PB** ◯ **GD** ◯ **BB** ◯ **4X** ◯ **EH** ▸	◯ **----** (N/A)
◯ **INW** (Immersion w/o Well) ▸	◯ **2.5″** ◯ **4″** ◯ **6″** ◯ **12″** ▸	◯ **PB** ◯ **GD** ◯ **BB** ◯ **4X** ◯ **EH** ▸	◯ **----** (N/A)
◯ **A** (Copper Averaging) ▸	◯ **8′** ◯ **12′** ◯ **24′** ◯ **50′** ▸	◯ **PB** ◯ **GD** ◯ **BB** ◯ **4X** ◯ **EH** ▸	◯ **----** (N/A)
◯ **FA** (Flexible Cable Averaging) ▸	◯ **8′** ◯ **12′** ◯ **24′** ◯ **50′** ▸	◯ **PB** ◯ **GD** ◯ **BB** ◯ **4X** ◯ **EH** ▸	◯ **----** (N/A)
◯ **RA** (Rigid Averaging) ▸	◯ **18″** ◯ **24″** ◯ **36″** ▸	◯ **PB** ◯ **GD** ◯ **BB** ◯ **4X** ◯ **EH** ▸	◯ **----** (N/A)
◯ **S** (Strap) ▸	◯ **----** (No Length) ▸	◯ **PB** ◯ **GD** ◯ **----** ◯ **4X** ◯ **EH** ▸	◯ **----** (N/A)
◯ **O** (Outdoor Air) ▸	◯ **----** (No Length) ▸	◯ **----** ◯ **----** ◯ **BB** ◯ **4X** ◯ **EH** ▸	◯ **----** (N/A)
◯ **W** (Raw Potted Sensor) ▸	◯ **----** (No Length) ▸	◯ **----** (No Enclosure) ▸	◯ **----** (N/A)
◯ **W-6′** (Raw w/6′ Leads) ▸	◯ **----** (No Length) ▸	◯ **----** (No Enclosure) ▸	◯ **----** (N/A)
◯ **BP** (Bullet Probe, Plenum Cable) ▸	◯ **----** (No Length) ▸	◯ **----** (No Enclosure) ▸	◯ **6′CL2P** ◯ **10′CL2P** ◯ **20′CL2P**
◯ **BP** (Bullet Probe, Teflon leads) ▸	◯ **----** (No Length) ▸	◯ **----** (No Enclosure) ▸	◯ **----** (N/A)
◯ **BP-20′Z** (BP, 20′ Zip Wire) ▸	◯ **----** (No Length) ▸	◯ **----** (No Enclosure) ▸	◯ **----** (N/A)
◯ **PM** (Pipe Mount) ▸	◯ **----** (No Length) ▸	◯ **----** (No Enclosure) ▸	◯ **----** (N/A)
◯ **PM** (Pipe Mount, Plenum Cable) ▸	◯ **----** (No Length) ▸	◯ **----** (No Enclosure) ▸	◯ **6′CL2P** **10′CL2P** **20′CL2P**
◯ **PM** (Pipe Mount, Zip Wire) ▸	◯ **----** (No Length) ▸	◯ **----** (No Enclosure) ▸	◯ **6′-Z** **10′-Z** **20′-Z**

BUILD 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.

A	B	C	D	E

EXAMPLE: A/CP - D - 4″ - PB

The ACI Mars Plastic Duct housing (PB) has been tested to and complies with the requirements specified in the UL 2043 Standard for Fire Test for heat and visible smoke release for discrete products and their accessories installed in air-handling spaces. 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. CE exception: Averaging units and any other configuration with leads longer than 3 meters.