



Featured Thermistor Product

Duct



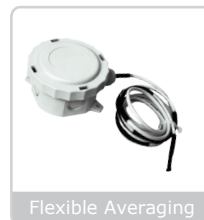
Duct w/o Box

Immersion, Two
Piece WellImmersion,
Machined Well

Immersion w/o Well



Copper Averaging



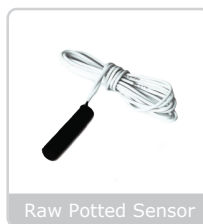
Flexible Averaging



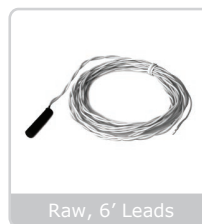
Strap



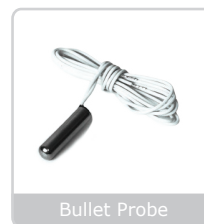
Outdoor Air



Raw Potted Sensor



Raw, 6' Leads



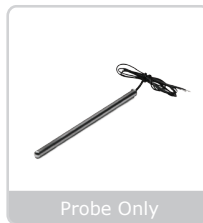
Bullet Probe



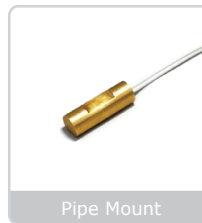
Bullet Probe, 20' Z



Rigid Averaging



Probe Only



Pipe Mount

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.

The ACI Thermistor Series is covered by ACI's Five (5) year limited warranty, which is located in the front of ACI's Sensors & Transmitters catalog or can be found on ACI's web site.



SPECIFICATIONS

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

- ☐ 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 (Bullet Probe, Zip Wire) ▶	☐ ---- (No Length) ▶	☐ ---- (No Enclosure) ▶	☐ 6'-Z ☐ 10'-Z ☐ 20'-Z
☐ 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 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.

