TEMPERATURE | THERMISTORS | BULLET PROBE





BULLET PROBE

1" Bullet Probe, Thermistor

The ACI Thermistor Bullet Probe Series features a one inch stainless steel probe with two, 24 inch 22 AWG Etched Teflon colored lead wires to differentiate the different NTC sensor types. The sensors in this series are manufactured using ACI's proven double encapsulation process to eliminate the effects of moisture upon the sensors and to increase the thermal response times using our high $quality, thermally \, conductive \, epoxy. \,\, The \, bullet \, style \, sensor \, is \, designed \, to \, monitor \, air \, temperatures$ and should not be fully submerged in water. This series can be ordered with different wire options and NIST certificates.

Applications: Roof Top Units, Air Handlers, Discharge Air/Supply/Return/Mixed Air Duct Temperature, Remote Temperature Sensing.

The ACI Thermistor Bullet Probe Series is covered by ACI's Five (5) Year Limited Warranty. The warranty can be found in the front of ACI's Sensors & Transmitters catalog, as well as on ACI's website, workaci.com.

Sensor Type:		Thermistor		
Sensor Curve:		Non-Linear, NTC (Negative Temperature Coefficient)		
Number Sensing Points:		One		
Number Wires: Sensor Output @ 25°C (77°F) (Standard Lead Wire Colors):		Two (Non-Polarity Sensitive)		
		A/1.8K: 1.8KΩ nominal (Red/Yellow) A/2252: 2.252KΩ nominal (White/Red) A/3K: 3KΩ nominal (White/Brown) A/5K: 5KΩ nominal (Red/Gray) A/AN (Type III): 10KΩ nominal (White/White) A/AN-BC: 5.238KΩ nominal (White/Yellow) A/CP (Type II): 10KΩ nominal (White/Green)	A/CSI: $10K\Omega$ nominal (Green/Yellow) A/10KS: $10K\Omega$ nominal (White/Blue) A/10K-E1: $10K\Omega$ nominal (Orange/Gray) A/20K: $20K\Omega$ nominal (Brown/Blue) A/50K: $50K\Omega$ nominal (Brown/Yellow) A/100KS: $100K\Omega$ nominal (Black/Yellow)	
Accuracy 0-70°C (32-158°F):		+/-0.2°C (+/-0.36°F) except A/10K-E1 Series: +/- 0.3°C (+/-0.54°F) A/1.8K Series: +/- 0.5°C @ 25°C (77°F) and (+/-1.0°C) (+/-1.8°F)		
Stability:		Sensor Dependent; Contact ACI for more information on the sensor in question.		
Response Time (63% Step Change):		10 Seconds nominal		
Power Dissipation Constant:		3 mW/°C except A/1.8K Series: 1 mW/°C A/10K-E1 Series: 2 mW/°C		
Probe Material:		304 Stainless Steel		
Storage Temperature Range:		-40 to 85°C (-40 to 185°F)		
Operating Humidit	y Range:	10 to 95% RH, non-condensing		
	Lead Length Conductor Size:	24" (61cm) 22 AWG (0.65mm)		
	Lead Wire Insulation Wire Rating:	Etched Teflon Colored Leads MIL-W-16878/4 (Type E)		
Standard Wire	Conductor Material:	Silver Plated Copper		
	Operating Temperature Range:	-40 to 150°C (-40 to 302°F)		
	Rated Applications:	Suitable for Indoor and Outdoor (wet) location. Oil, Moisture, Acids, Oils and Moisture Resistant		
	Lead Length Conductor Size:	See Ordering Grid 22 AWG (0.65mm)		
	Lead Wire Insulation Wire Rating:	FEP (Fluorinated Ethylene Propylene) TYPE CL2P - TYPE CMP 22 AWG (UL), C(UL) FEP/FEP E130356 ROHS, FT-6		
Plenum Wire	Conductor Material:	Tinned Copper		
	Operating Temperature Range:	-40 to 150°C (-40 to 302°F)		
	Rated Applications:	Suitable for Indoor and Outdoor (wet) location. Oil, Gas, Sunlight, Abrasion Acid Resistant		
	Lead Length Conductor Size:	20' (6.10m) 22 AWG (0.65mm)		
	Lead Wire Insulation Wire Rating:	PVC (Poly Vinyl Chloride) 22 AWG UL AWM style 1007 or STYLE 1569 105c 300v vw-1 208394 TR-64 90C OR AWM I A/B 105C 300V FT-1		
Zip Wire	Conductor Material:	Tinned Copper		
	Operating Temperature Range:	-20 to 90°C (-4 to 194°F)		
	Rated Applications:	Suitable for Indoor use only. Not for Outdoor use or UV Light Applications		
	Lead Color:	White		
Product Dimensions (Length x Diameter):		1.00" (25.4mm) x 0.250" (6.35 mm)		
Product Weight:		0.02 lbs. (9.07g)		

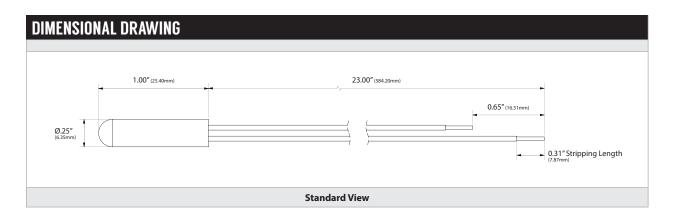








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STANDARD ORDER	ING	Model # Example: A/AN-BP -OR 121336	
Model #	Item#	Description	
A/1.8K-BP	124579	1.8K Bullet Probe, 24" (61.0 cm) Leads, 1" Probe	
A/2252-BP	120713	2252 Bullet Probe, 24" (61.0 cm) Leads, 1" Probe	
A/3K-BP	121001	3K Bullet Probe, 24" (61.0 cm) Leads, 1" Probe	
A/5K-BP	121239	5K Bullet Probe, 24" (61.0 cm) Leads, 1" Probe	
A/AN-BP	121336	AN (Type III) Bullet Probe, 24" (61.0 cm) Leads, 1" Probe	
A/AN-BC-BP	121349	AN-BC Bullet Probe, 24" (61.0 cm) Leads, 1" Probe, 11K Shunt	
A/CP-BP	121942	CP (Type II) Bullet Probe, 24" (61.0 cm) Leads, 1" Probe	
A/CSI-BP	122308	CSI Bullet Probe, 24" (61.0 cm) Leads, 1" Probe	
A/10KS-BP	120198	10KS Bullet Probe, 24" (61.0 cm) Leads, 1" Probe	
A/10K-E1-BP	126744	10K-E1 Bullet Probe, 24" (61.0 cm) Leads, 1" Probe	
A/20K-BP	120588	20K Bullet Probe, 24" (61.0 cm) Leads, 1" Probe	
A/100KS-BP	120117	100KS Bullet Probe, 24" (61.0 cm) Leads, 1" Probe	

CUSTOM ORDERI	Model#Example: A/	MODEL #
A Sansau Savias		
A. Sensor Series No Selection Required	A/	A/
B. Model Series Select One (1)	1.8K 2252 3K 5K AN AN-BC CP CSI 10KS 10K-E1 20K 50K 100KS	
C. Configuration No Selection Required	BP = 1" Stainless Steel Probe	ВР
	= Standard 24" Etched PTFE Colored Leads	
D. I I.Win- Onti	6'CL2P = 6 ft (1.83m), 2 Conductor Plenum Rated Cable	
D. Lead Wire Options Select One (1)	10'CL2P = 10 ft (3.05m), 2 Conductor Plenum Rated Cable	
Select Offe (1)	20'CL2P = 20 ft (6.10m), 2 Conductor Plenum Rated Cable	
	20'Z = 20 ft (6.10m), 2 Conductor White Zip Wire	
E. NIST Select One (1)	= No NIST Certificate NIST = NIST Certificate (Must Specify 3 Points)	

ACCESSORIES ORDERING Model # Example: AMOUNTING U-CLIP-1/4" -OR- 143352							
Model #	Item #	Description	Galvanized Metal	Plastic w/Adhesive			
A/MOUNTING CLIP-1/4"	143351	Hardware, ¼" Mounting Clip	•				
A/MOUNTING U-CLIP-1/4"	143352	Hardware, ¼" U-Mounting Clip Adhesive		•			





