BP-Zip

BP

BP-CL2P

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
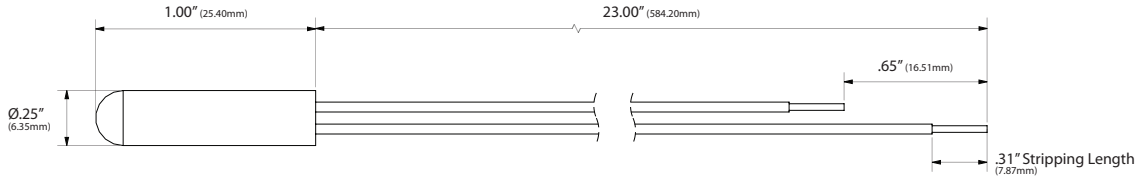
PRODUCT SPECIFICATIONS

Sensor Type:	Thermistor	
Sensor Curve:	Non-Linear, NTC (Negative Temperature Coefficient)	
Number Sensing Points:	One	
Number Wires:	Two (Non-Polarity Sensitive)	
Sensor Output @ 25ºC (77ºF) |	**A/1.8K:** 1.8KΩ nominal | (Red/Yellow)	**A/CP (Type II):** 10KΩ nominal | (White/Green)
(Lead Wire Colors):	**A/2252:** 2.252KΩ nominal | (White/Red)	**A/CSI:** 10KΩ nominal | (Green/Yellow)
	A/3K: 3KΩ nominal | (White/Brown)	**A/10KS:** 10KΩ nominal | (White/Blue)
	A/5K: 5KΩ nominal | (Red/Gray)	**A/10K-E1:** 10KΩ nominal | (Orange/Gray)
	A/AN (Type III): 10KΩ nominal | (White/White)	**A/20K:** 20KΩ nominal | (Brown/Blue)
	A/AN-BC: 5.238KΩ nominal | (White/Yellow)	**A/100KS:** 100KΩ nominal | (Black/Yellow)
Accuracy 0-70ºC (32-158ºF):	+/-0.2ºC (+/-0.36ºF) except **A/10K-E1 Series:** +/- 0.3ºC (+/-0.54ºF)	
	A/1.8K Series: +/- 0.5ºC @ 25ºC (77ºF) and (+/-1.0ºC) (+/-1.8ºF)	
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/ºC except **A/1.8K Series:** 1 mW/ºC | **A/10K-E1 Series:** 2 mW/ºC	
Probe Material:	304 Stainless Steel	
Operating Temperature Range:	-40 to 150ºC (-40 to 302ºF)	
Storage Temperature Range:	-40 to 85ºC (-40 to 185ºF)	
Operating Humidity 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)	
Conductor Material:	Silver Plated Copper	
Product Dimensions (Length x Diameter):	1.00" (25.4mm) x 0.250" (6.35mm)	
Product Weight:	0.02 lbs. (9.07g)	
Agency Approvals:	CE, RoHS2, WEEE	

RoHS COMPLIANT 2002/95/EC

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DIMENSIONAL DRAWING

1.00" (25.40mm)

23.00" (584.20mm)

.65" (16.51mm)

Ø.25" (6.35mm)

.31" Stripping Length (7.87mm)

Standard View

STANDARD ORDERING

Model # Example: A/AN-BP -OR- 121366

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	121366	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

OPTIONAL SENSOR ORDERING

Model # Example: A/ 1.8K BP 20' Z NIST
A. B. C. D. E. F.

		MODEL #
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 | 100KS	
C. Configuration *No Selection Required*	BP = 1" Stainless Steel Probe ⟶	BP
D. Lead Length *Select One (1)*	10' = 10 Feet (3.05m) | 20' = 20 Feet* (6.10m)	
E. Lead Wire Type *Select One (1)*	CL2P = 2 Conductor Plenum Rated Cable | Z = 20' 2 Conductor White Zip Wire only*	
F. NIST *Select One (1)*	---- = No NIST Certificate | NIST = NIST Certificate (Must Specify 1, 3 or 5 Points)	

Note*: All 20' Sensors are not CE compliant, but are RoHS2 compliant

ACCESSORIES ORDERING

Model # Example: HARDWARE, ¼" MOUNTING CLIP -OR- 108169

Model #	Item #	Description	Galvanized Metal	Plastic w/ Adhesive
HARDWARE, ¼" MOUNTING CLIP	108169	Hardware, ¼" Mounting Clip	●	
HARDWARE, ¼" U-MOUNTING CLIP	100090	Hardware, ¼" U-Mounting Clip Adhesive		●

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