



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, www.workaci.com.

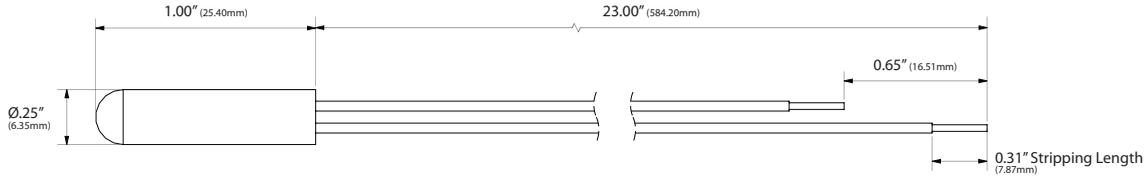
PRODUCT SPECIFICATIONS

Sensor Type:	Thermistor	
Sensor Curve:	Non-Linear, NTC (Negative Temperature Coefficient)	
Number Sensing Points:	One	
Number Wires:	Two (Non-Polarity Sensitive)	
Sensor Output @ 25°C (77°F) (Lead Wire Colors):	A/1.8K: 1.8KΩ nominal (Red/Yellow)	A/CP (Type II): 10KΩ nominal (White/Green)
	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 0-70°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	
Operating Temperature Range:	-40 to 150°C (-40 to 302°F)	
Storage Temperature Range:	-40 to 85°C (-40 to 185°F)	
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" (6.35 mm)	
Product Weight:	0.02 lbs. (9.07g)	
Agency Approvals:	CE, RoHS2, WEEE	





DIMENSIONAL DRAWING



Standard View

STANDARD ORDERING

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

OPTIONAL SENSOR ORDERING

Model # Example: **A/ 1.8K BP 6'CL2P NIST**

MODEL #

A. Sensor Series <i>No Selection Required</i>	A/ _____ →	A/
B. Model Series <i>Select One (1)</i>	1.8K 2252 3K 5K AN AN-BC CP CSI 10KS 10K-E1 20K 100KS	
C. Configuration <i>No Selection Required</i>	BP = 1" Stainless Steel Probe _____ →	BP
D. Lead Wire Options <i>Select One</i>	---- = Standard 24" Etched PTFE Colored Leads 6'CL2P = 6 ft (1.83m), 2 Conductor Plenum Rated Cable 10'CL2P = 10 ft (3.05m), 2 Conductor Plenum Rated Cable 20'CL2P = 20 ft (6.10m), 2 Conductor Plenum Rated Cable	
E. NIST <i>Select One (1)</i>	---- = No NIST Certificate NIST = NIST Certificate (Must Specify 1, 3 or 5 Points)	

ACCESSORIES ORDERING

Model # Example: **A/MOUNTING U-CLIP-1/4"** -OR- **143352**

Model #	Item #	Description	Galvanized Metal	Plastic w/ Adhesive
A/MOUNTING CLIP-1/4"	143351	Hardware, 1/4" Mounting Clip	•	
A/MOUNTING U-CLIP-1/4"	143352	Hardware, 1/4" U-Mounting Clip Adhesive		•

