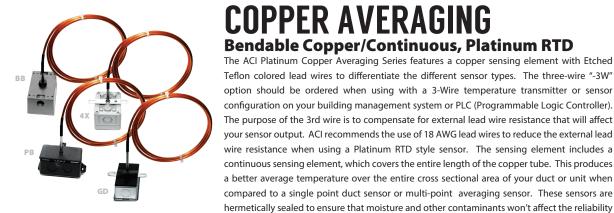


Automation Components, Inc.

TEMPERATURE | PLATINUM RTDS | COPPER AVERAGING



COPPER AVERAGING Bendable Copper/Continuous, Platinum RTD

The ACI Platinum Copper Averaging Series features a copper sensing element with Etched Teflon colored lead wires to differentiate the different sensor types. The three-wire "-3W" option should be ordered when using with a 3-Wire temperature transmitter or sensor configuration on your building management system or PLC (Programmable Logic Controller). The purpose of the 3rd wire is to compensate for external lead wire resistance that will affect your sensor output. ACI recommends the use of 18 AWG lead wires to reduce the external lead wire resistance when using a Platinum RTD style sensor. The sensing element includes a continuous sensing element, which covers the entire length of the copper tube. This produces a better average temperature over the entire cross sectional area of your duct or unit when compared to a single point duct sensor or multi-point averaging sensor. These sensors are

of the sensing element. The copper averaging sensor includes a foam pad to seal the duct and dampen vibrations once installed. The sensor length should be determined by the total cross sectional area of your duct. Standard enclosure options include the "-GD" galvanized or "-PB" plastic enclosure with hinged cover. Optional NEMA/IP rated weather proof enclosures and NIST Certificates are available as referenced in the ordering grid. For higher accuracies, see the A/TTM1K (Matched) Averaging transmitter Product Data Sheet. Applications: Roof Top Units, Air Handlers, Monitoring Duct Supply/Discharge/Return/Mixed Air

The ACI Platinum Bendable Copper Averaging 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

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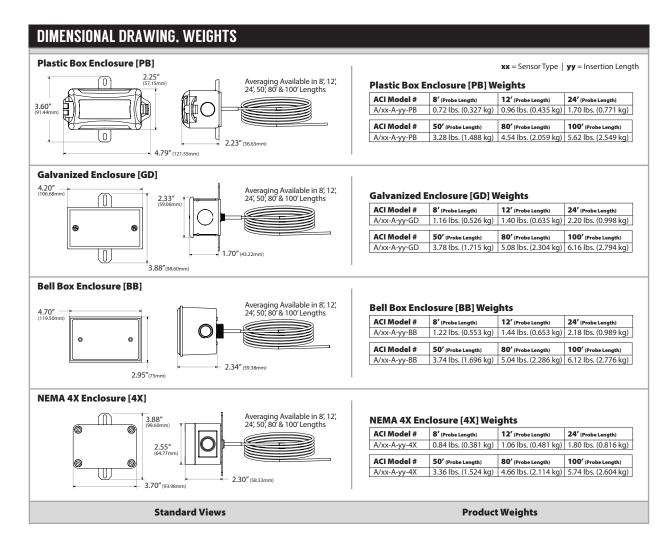
Sensor Type Sensor Curve:	Platinum RTD PTC (Positive Temperature Coefficient)
Number Sensing Points:	Continuous
Number Wires:	A/1K-2W-A-xx'-xx Series: Two (Non-Polarity Sensitive)
	A/1K-3W-A-xx'-xx Series: Three (Polarity Sensitive)
Sensor Output @ 0°C (32°F):	1000 Ohms nominal
Sensor Accuracy:	+/- 0.1% @ 0°C (32°F) +/- 0.25% @ 21°C (70°F) +/- 1.0% @ 130°C (266°F)
Temperature Coefficient:	3850 ppm / ℃
Response Time (63% Step Change):	15 Seconds nominal
Self-Heating Maximum Operating Current:	4 mW/ºC (Still Air) 3 mA
Sensor Operating Temperature Range:	-40 to 135°C (-40 to 275°F)
Enclosure Specifications (Temperature	"-GD" Enclosure: -40 to 115°C (-40 to 239°F); Galvanized Steel; NEMA 1 (IP10)
Range, Material, Flammability, NEMA/IP Ratings):	"-PB" Enclosure: -30 to 90°C (-22 to 194°F); ABS Plastic; UL94-HB; Plenum Rated
	"-BB" Enclosure: -40 to 115°C (-40 to 239°F); Aluminum; NEMA 3R (IP 14)
	"-4X" Enclosure: -40 to 70°C (-40 to 158°F); Polystyrene Plastic; UL94-V2; NEMA 4X (IP 66)
Storage Temperature Range:	-40 to 85°C (-40 to 185°F)
Operating Humidity Range:	10 to 95% RH, non-condensing
Sensing Element Material Sensor Diameter	Copper 0.210" (5.34mm) nominal
Fitting Material Flammability Rating:	Polyamide 66 (High Performance Nylon) UL94-HB
Foam Pad Material Flammability Rating:	Neoprene/EPDM/SBR Polymer UL94-HBF; FMVSS-302; MIL-R-6130C
Lead Length Conductor Size:	12" (30.5cm) 22 AWG (0.65mm)
Lead Wire Insulation Wire Rating:	Etched Teflon (PTFE) Colored Leads Mil Spec 16878/4 Type E)
Conductor Material:	Silver Plated Copper
Product Dimensions Product Weight:	See table on back of Product Data Sheet
Agency Approvals:	RoHS2, WEEE

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CUSTOM ORDERING	Model # Example: A/ 1K 2W A 80' GD NIST A. B. C. D. E. S. G.	MODEL #	
A. Sensor Series No Selection Required	A/	A/	
B. Model Series No Selection Required	1K = 1K Ohm Platinum RTD		
C. Number of Wires Select One (1)	2W = Two Wires 3W = Three Wires		
D. Configuration No Selection Required	A = Bendable Copper Averaging Sensors	Α	
E. Sensor Length Select One (1)	8' = 8' (2.44m) 12' = 12'(3.66m) 24' = 24' (7.31m) 50' = 50' (15.24m) 80' = 80' (24.39m) Length 100' = 100' (30.48m) Length		
F. Enclosure Select One (1)	GD = Galvanized PB = Plastic BB = Aluminum, NEMA 3R 4X = NEMA 4X		
G. NIST Select One (1)	= No NIST Certificate NIST = NIST Certificate (Must Specify 1, 3 or 5 Points)		

ACCESSORIES ORDERING		
Model #	ltem #	Description
A/CAPILLARY CLIP QTY: 1	130525	Capillary Mounting Clip, Copper, Quantity: 1
UNIVERSAL CLIP 50	145430	Capillary Mounting Clip, Copper, Quantity: 50/Bag
UNIVERSAL CLIP 6	145421	Universal Mounting Clip, Plastic, Quantity: 6/Bag