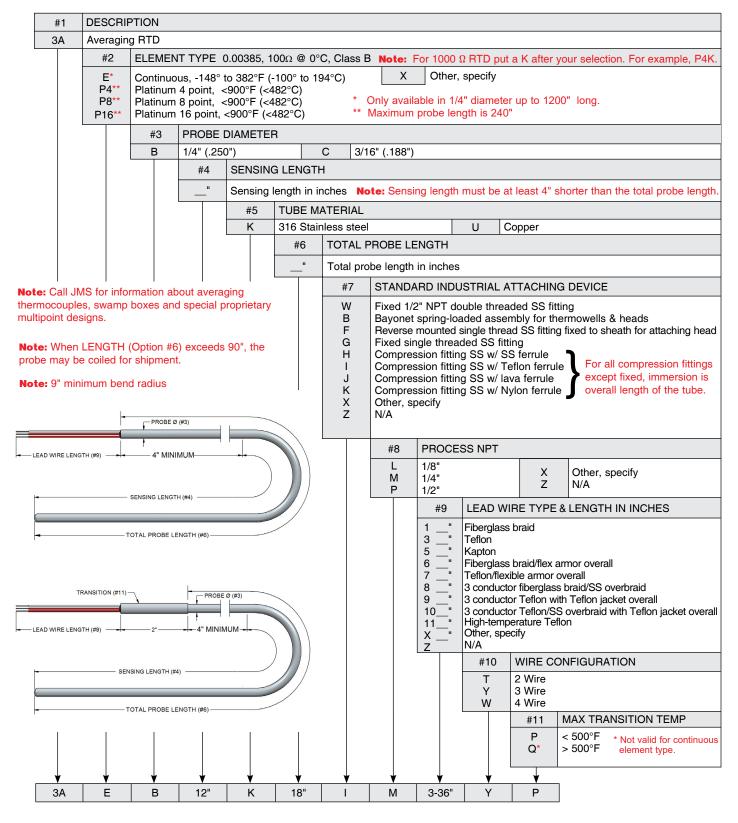
## AVERAGING RTDS

Continuous averaging resistance temperature detectors are most frequently used in air washing and air handling systems where turbulent and stratified air flow may affect the temperature measurement in a tip sensitive probe. The average temperature of the air in the duct can be measured with this type of sensor.

Any application which requires an averaging of temperature across an area would be suited for this sensor type. The operating temperature range for a continuous averaging RTD is from -148 to 382°F. Lower temperatures and temperatures up to 900°F are handled with a multipoint design (4, 8, or 16 points).



## AVERAGING RTDS

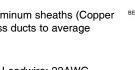
В	Bare ends						
D E F G I K L M N O	High temp Explosion Spade lug Aluminum Aluminum Cast Iron I Open term	plug blug ack ack erature plug (< 800°F) erature jack (< 800°F) proof head, NEMA 4X, F	6L) chain (6N		R V WM WF X	High dome head (6R) Molded water resistant plug (6DC) Microphone style connector (6DA) - Male Microphone style connector (6DA) - Female Other, specify <b>Note:</b> For any other cold end termination, use appropriate part numbers from section 6 in place of symbol #12.	
	#13 TAGGING AND CALIBRATION OPTIONS (use only if applicable)						
	2 3	Stainless steel tag Plastic tag Paper tag Laser etch on probe	7 M	the potential sensiti temperature. Pleas	ng lengt se conta	ation. Due to the limited size of calibration chambers and h of these sensors, we recommend one point at room ct factory for any other calibration options. nline technical catalog]	
	¥						

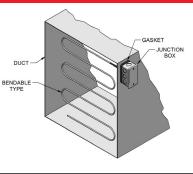
## LOW COST AVERAGING RTDS

Low cost averaging RTDs sense the temperature of air streams in ducts and plenums. This sensor includes a junction box with gasket to prevent leakage and vibration noise.

These thermometers have a continuous element to sense true average temperature along their entire length. They provide accurate composite readings in locations where air may be stratified into hot and cold layers.

Rigid averaging sensors have a brass case. Bendable models have aluminum sheaths (Copper on special order) formable to a radius of 4". Bendable sensors can criss-cross ducts to average temperatures in two dimensions.





## Specifications:

Temperature range: -45.5 to 135°C (-50 to 275°F); Gasket: 100°C (212°F); Leadwire: 22AWG, Teflon insulated, 8" long; Sheath diameter: .188" OD.

3L   Platinum, 100Ω @ 0°C, a=0.00385     9Latinum, 100Ω @ 0°C, a=0.00385     #2   SENSOR TYPE     56   Rigid Bendable     #3   WIRE CONFIGURATION     T   2 Wire Y     Wire     #4   INSERTION LENGTH     #4   INSERTION LENGTH     #5   OPTIONS     [Additional options see page 1-7]     Note: When INSERTION LENGTH (Option #4) exceeds 90°, the probe may be coiled for shipment.   A     Weatherproof connection box (2.12"W X 4.0"H X 1.75"D) Sensor only, no box     Sensor only, no box	:	#1	DES	CRIP	PTION						
56   Rigid Bendable     #3   WIRE CONFIGURATION     T   2 Wire     Y   3 Wire     #4   INSERTION LENGTH											
57   Bendable     #3   WIRE CONFIGURATION     T   2 Wire     Y   3 Wire     #4   INSERTION LENGTH			#	2	SEN	ISOR	TYPE				
T   2 Wire     Y   3 Wire     #4   INSERTION LENGTH											
Y   3 Wire     #4   INSERTION LENGTH	#3 WIRE CONFIGURATION			TION							
"   Standard Lengths for Rigid type (inches): 12", 18", 24", 48", 60", 72"     "   (Standard Lengths for Bendable type (inches): 72", 144", 288"     "   #5     OPTIONS   [Additional options see page 1-7]     Note: When INSERTION LENGTH (Option #4) exceeds 90", the probe may be coiled   A     Weatherproof connection box (2.12"W X 4.0"H X 1.75"D)     Sensor only, no box	-		-	-							
Standard Lengths for Bendable type (inches): 72", 144", 288"   Image: Comparison of the problem in the problem in the problem is problem in the problem in the problem is problem in the problem in the problem in the problem is problem in the prob							#4	INSERTIO	ON LENGTH		
Note: When INSERTION LENGTH (Option #4) exceeds 90", the probe may be coiled A Weatherproof connection box (2.12"W X 4.0"H X 1.75"D)   Sensor only, no box							n				
#4) exceeds 90", the probe may be coiled B Sensor only, no box								#5	OPTIONS [Additional options see page 1-7]		
X Other					B C	Sensor only, no box Stainless steel tag					
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		<b>∀</b> 31	5	<b>∀</b> 6	1	r r	<b>∀</b> 60"	<b>∀</b>	]		