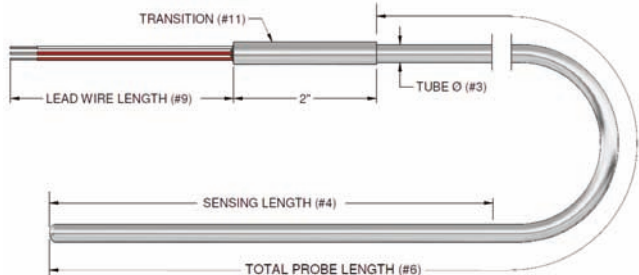


AVERAGING RTDS

Continuous averaging resistance temperature detectors are most frequently used in air washing and air handling systems where turbulent and stratified air flow may effect 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 -58 to 482°F. Lower temperatures and temperatures up to 900°F are handled with a multipoint design (4, 8, or 16 points).

#1	DESCRIPTION									
3A	Averaging RTD									
	#2	Element Type 0.00385, 100Ω @ 0°C, Class B								
	E P4 P8	-58° to 482°F (-50° to 25°C) Platinum 4 point, <900°F Platinum 8 point, <900°F	P16 X	Platinum 16 point, <900°F Other, specify		Note: Call the JMS Engineering Department for information about averaging thermocouples, swamp boxes and special proprietary multipoint designs.				
	#3	TUBE DIAMETER								
	B	1/4" (.250")	C	3/16" (.188")						
	#4	SENSING LENGTH								
	—	Sensing length in inches Note: Sensing length must be at least 4" shorter than the total probe length.								
	#5	TUBE MATERIAL								
	K	316 Stainless Steel			F	Copper				
	#6	TOTAL PROBE LENGTH								
	—	Total probe length In inches								
	#7	STANDARD INDUSTRIAL FITTINGS								
	W B F G H I J K X Z	Fixed NPT ss fitting - double threaded. Sheath diameters less than 3/16", fittings are brazed to sheath. Bayonet spring loaded assembly for thermowells & heads Reverse mounted steel plug fixed to sheath for attaching head Fixed stainless steel to sheath Compression fitting SS w/ SS ferrule Compression fitting SS w/ teflon ferrule Compression fitting SS w/ lava ferrule Compression fitting SS w/ nylon ferrule Other, specify N/A (No fitting needed)								
		For all compression fittings except fixed immersion is overall length of the tube.								
		Note: To specify extensions such as nipples, unions, couplings, use X and see pg 1-3 for complete part #.								
	#8	PROCESS NPT								
	L M P	1/8" 1/4" 1/2"	X Z	Other, specify N/A						
	#9	LEAD WIRE TYPE & LENGTH IN INCHES								
	1 3 6 7 8 9 10 X Z	Glass braid Teflon Glass braid / flex armor overall Teflon / flexible armor overall Glass braid / SS overbraid (3 wire only) 3 conductor teflon with overall jacket of teflon tape 3 conductor teflon / SS overbraid with overall jacket of teflon tape Other, specify No leadwire								
	#10	WIRE CONFIGURATION								
	T Y	2 Wire 3 Wire	W	4 Wire						
	#11	MAX TRANSITION TEMP								
	P Q	< 500°F > 500°F	Note: Q potting may not comply with ASTM megohm check.							



3A	E	B	12"	K	18"	I	M	3-36"	Y	P
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