MULTIPOINT RTD SENSORS

Reotemp Multipoint Sensors strategically place multiple sensors inside one tube or sheath, providing a more complete temperature profile of the process. Multipoints are highly customizable. You can choose from a wide selection of terminals, connections, and stem styles. Depending on the size of the outer tube, you can have an almost unlimited number of sensors to capture detailed data. This allows for optimization of the process and identification of thermal gradients.

Made in USA

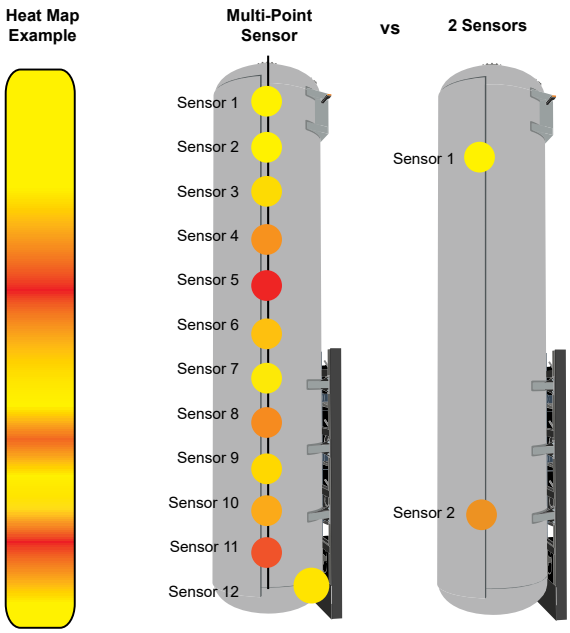
FEATURES / BENEFITS

- Optimize Efficiency
- Lower Energy Costs
- Identify Temperature Gradients and Hot Spots
- Map or Average Temperatures Over a Large Area
- Multiple Measurements with One Process Connection
- Improve Safety
- Replaceable Elements

Common Applications

- Reactor Vessels
- Scrubbers
- Chemical Silos
- Grain Silos
- Ducts
- Storage Tanks
- Exhaust Stacks
- Beverage Processing
- Ovens
- Catalytic Crackers
- Water Towers
- Distillation Columns

Provides a detailed view of the process

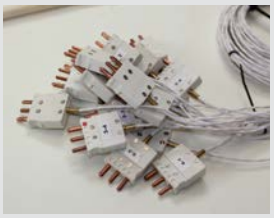


MULTIPOINT RTD SENSORS

Terminal Options

Junction Box

Lead Wire



Male Plugs

Connection Options

Flanged

Threaded

Union

Stem Styles

Exposed

Protection Tube

Flexible

Additional Options

Inner Guide Tubes with Heat Transfer Blocks
(Cutaway for Illustration Purposes)

Cooling Fins

- Wide Variety of Stem Materials
- Anchor/Weight
- Transmitters (4-20mA, HART)
- Media Transfer Windows
- Free Hanging Stems
- Staggered Stems
- Replaceable Stems

REOTEMP INSTRUMENTS

MULTIPOINT RTD SENSORS

SPECIFY YOUR MULTIPOINT: For a quote and drawing, email the information below to insidesales@reotemp.com

Specification Worksheet

Customer Info	Company Name:		
	Phone:		
	Email:		
Sensor Type	Thermocouple:	Type J Single ☐	Type J Dual ☐
		Type K Single ☐	Type K Dual ☐
		Type E Single ☐	Type E Dual ☐
		Type N Single ☐	Type N Dual ☐
		Type T Single ☐	Type T Dual ☐
	Junction:	Grounded ☐	Ungrounded ☐
	RTD:	Consult Factory ☐	Other (Specify in Notes) ☐
		3-wire ☐	4-wire ☐
		100Ω ☐	1000Ω ☐
		Std Temp (-328/400°F), ☐	Ext. Temp (-328/1112°F) ☐
# of Temperature Sensors			
Total Length of stem (in inches)			
Location of each sensor (from tip up)	Evenly distributed: ☐		
	Custom location (Describe distance from tip for each sensor):		
Pipe	Nominal Pipe Size:		
	OD:		
	Schedule:		
Ambient Temperature Range:			
Maximum Process Temperature:			
Process Material/Conditions/Pressure:			
Accuracy required:			
Electrical Connection: Transmitter, Terminal block, plug/jack,	Transmitter:	4-20mA ☐	Fieldbus ☐
		HART ☐	Terminal Block ☐
		Profibus ☐	Std. ceramic terminal block ☐
	Plug/Jack:	Std. Male Plug ☐	
		Mini Male Plug ☐	
		Std. Female Jack ☐	
		Mini Female Jack ☐	
	Other:	Stripped Leads ☐	
Enclosure Type:	Std. NEMA4X/IP65 Aluminum ☐	Explosion Proof (consult factory) ☐	
Enclosure Electrical Connection:	Blank Case ☐		
	3/4" Female Conduit Connection ☐		
	Cable Gland ☐		
	Other: ☐		

MULTIPOINT RTD SENSORS

Process Connection (Threaded or Flanged)	Flanged:	1"	☐	150# RF	☐
		1.5"	☐	300# RF	☐
		2"	☐	600# RF	☐
	Threaded:	1/2"NPT	☐	Male	☐
		3/4" NPT	☐	Female	☐
		1" NPT	☐	Union	☐
		2" NPT	☐		
		Other	☐		
Stem Style:	Rigid ☐				
	Exposed ☐				
	Flexible ☐				
Options:	Heat Transfer Blocks		☐		
	Cooling Fins		☐		
	Anchor Weight:	lbs	☐		
	Media Transfer Windows		☐		
	Replaceable Stems		☐		
	PMI (Positive Material Identification)		☐		
	Helium Leak Test		☐		
	Tag - Stainless Steel		☐		
Additional Notes:					

If you have a preliminary drawing or sketch, please include it with this form. Reotemp can provide a representative drawing of the assembly for your approval, upon request.