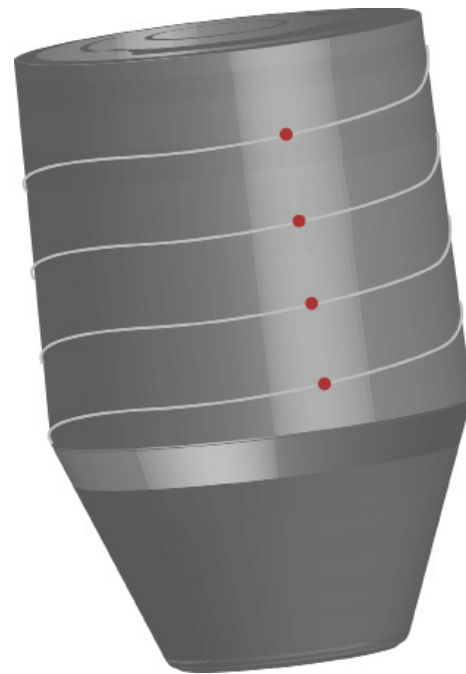


Multipoint Thermocouples

Multipoint Thermocouples are primarily used for temperature profiling in chemical reactors and process lines. Multipoint sensors improve control of the reaction process when compared with single point sensors.

Multipoint Thermocouples feature several sensing points (hot junctions) staggered along the length of the sensor under one sheath:



● - Sensing Points

Cable Diameter	mm	8	6	4.5
Sheath Thickness	mm	Nom. 10%	Nom. 10%	Nom. 10%
Conductor Diameter	mm	Nom. 10%	Nom. 10%	Nom. 10%
No. of Measurement Points		4	4	4
Hot Junction Positional Tolerance	+/- mm	200	200	200
Thermocouple Type		K	K	K
Sheath Materials		Stainless Steel or Inc 600	Stainless Steel or Inc 600	Stainless Steel or Inc 600
Overall Length		Enquire	Enquire	Enquire

The benefits of such a design include:

- Considerable decrease of the risk of crevice corrosion due to the absence of confined spaces between individual thermocouples.
- Noticeable reduction in installation work and partly space needed as one sensor, although larger than an individual thermocouple, replaces several of them.

Typical examples are:

- Profiling during reduction of organic acids by exothermal oxidation.
- Distillation or fractioning in crude oil separation.

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