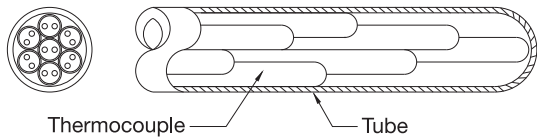


Series TCM Multipoint Thermocouple Assemblies

Multipoint Thermocouples are used in a broad range of processes and installations to monitor the temperature in multiple positions or elevations. These sensors are used in a variety of applications such as Petroleum, Chemical Processing, Furnaces, Storage Tanks and Air Flow Ducts.

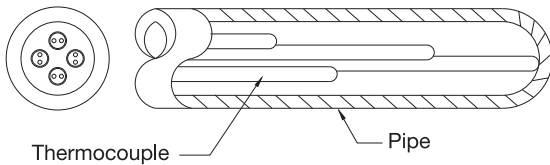
These sensors are made-to-order to meet the requirements of the specific application. The styles depicted below are the most common constructions. Consult Tempco for other sizes and construction methods. To order, simply fill out the specification sheet on page 14-31.



Style 1 – Standard Miniature Style Assembly

This Multipoint Assembly uses numerous individual mineral insulated thermocouple elements contained in a tube. Individual thermocouples are made with the largest possible Mineral Insulated Cable in order to maximize contact with Protection Tube.

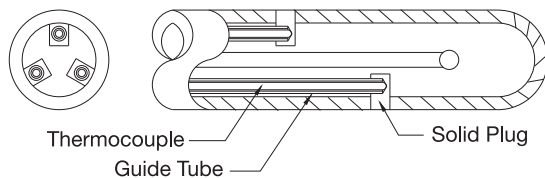
Tube OD	Maximum Number of Points
.125"	13
.188"	20
.250"	20
.312"	20
.375"	20
.500"	20



Style 2 – Free-Hanging Assembly In A Pipe

This Heavy Duty Multipoint Assembly uses several individual Mineral Insulated Thermocouple Elements contained in a Standard Protection Pipe. Thermocouple bundles are replaceable.

Pipe Size	Maximum Number of Points
1/2" NPT SCH. 40	12
3/4" NPT SCH. 40	20
1" NPT SCH. 40	20



Style 3 – Protection Pipe With Guide Tubes

This Multipoint Assembly is mostly used in the Petrochemical Industry. Guide Tubes are positioned at specific locations and enable the replacement of individual sensors in the field. This Multipoint Style is ideal in high temperature and pressure applications and provides a quick thermal response.

Pipe Size	Maximum Number of Points
1/2" NPT SCH. 40	10
3/4" NPT SCH. 40	20
1" NPT SCH. 40	20