

ML7035 Multipoint catalyst bed reactor temperature sensors

Application	Multipoint temperature sensor with fixed lengths measurement inserts. Sensors can be bend to follow the design of the reactor. This multipoint can be used for measurements in catalyst reactors or any other application where multi temperature measurement is needed.
Measuring system	
Measuring point	Each sensor mineral insulated
Sensor type	Thermocouple
Construction	Bendable sensors to be installed as a grid within a reactor
Design	
Sensor diameter	1.5, 3.0, 4.5, 4.8, 6.0, 6.35mm
Type	Mineral insulated (MI) cable
Sheath material	Customer to specify (SS316, SS321, SS347, Inconel 600 or other materials possible)
Length L1 to Ln	Customer to specify, up to 100meters is possible
Sensors	
Thermocouple	Type K, T, J, E or N
Hot junction	Grounded or ungrounded
Sealing	
Feedthrough	Up to 22 sensors suitable for 3" nozzle entries
Systems	Sealing with Conax feedthroughs Sealing with standard or Swagelok compression fittings Sealing by means of vacuum nickel-gold brazing
Mounting hardware	
Rings and Frames	Optional available
Materials	All stainless steels and high nickel alloys possible
Options	Containment/pressure chamber between flange and junctionbox optionally executed with manifold and pressure indicator

