

ML7055 Flexible multipoint temperature sensor

Application

Flexible multipoint temperature sensor for a wide range of application where a small multipoint sensor is needed. Useable in laboratories, reactor vessels, test process skids and many others.

Design

Protection tube	Bendable closed-end tube
Material	SS 316 - (Wst 1.4401) standard, other materials possible
Diameter	3.2mm standard, other diameters possible
Measuring points	Number of measuring points to specify

Sensors

Thermocouple	Type K standard, other types possible
Each sensor	Each sensor mineral insulated
Accuracy	According to IEC 60584
Sheath	SS 316 - (Wst 1.4401) standard, other materials possible
Insulation	MgO
Hot junction	Insulated
Testing	Tested 100 Vdc @ 20°C
Insulation resistance	Minimum 100Mohm
Range	500°C standard, other temperatures possible on request

Dimensions

Hot junction	Length L1 to Ln, to specify
Protection	Lead wires protected by a stainless steel flexible hose
Length	1000 mm standard hose length
Gland	M20x1.5 gland standard, other threads possible
Termination	Teflon insulated flexible thermocouple wires, L=1100mm
Process connection	None, compression gland / feed through optional

Options

Tube material	Other tube material like Hasteloy, Inconel, Monel etc.
Thermocouple	Other thermocouple type
Cable	Other cable or cable length
ATEX certification	Exe, Exi or Exe, to specify
Thermocouple	Other thermocouple, or duplex thermocouple

