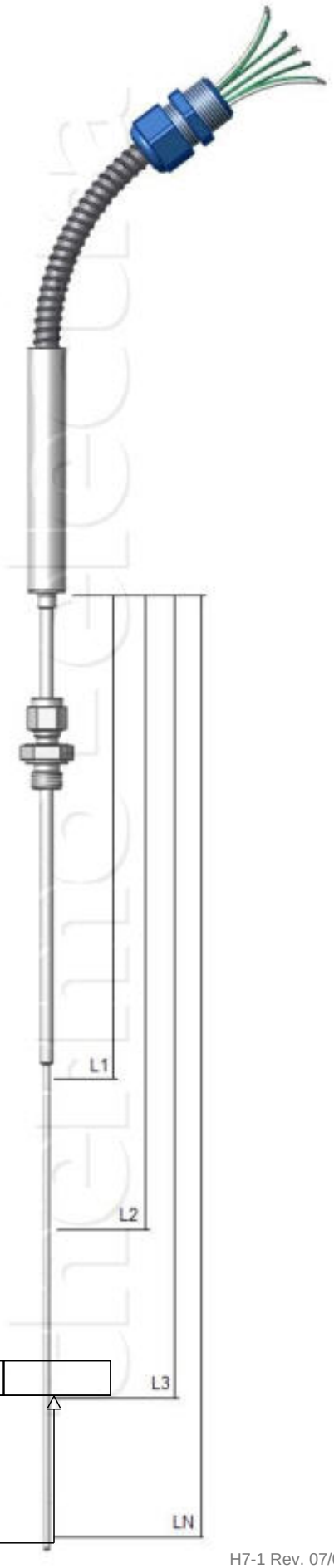
ML7040 Small diameter multipoint temperature sensor

Design	
Protection tube	Stainless steel closed-end tube
Stepped insertion	Re-inforced tube to suit a compression gland
Material	SS 316 - (Wst 1.4401) standard, others optional
Measuring points	Number of measuring points to specify
Sensors	
Calibration	K, T, J, E, N, U or L to specify
Insulation	Each sensor mineral insulated (MgO)
Hot junctions	Insulated
Testing	Tested with 50Vdc @ 20°C
Insulation resistance	Minimum 100 M ohm
Range	D <= 3.2mm maximum +300 °CD > 3.2mm maximum +500 °C
Dimensions	
Hot junctions	"L1 to Ln" to specify
Protection	Lead wires protected by a stainless steel flexible hose
Length "K"	1000 mm standard hose length. M20x1.5 gland included
Termination	PTFE/FEP/PFA insulated flexible thermocouple wires, L=100mm
Process connection	Compression gland with metal or PTFE ferule (optional)
Options	
ATEX certification	Exe, Exi or Exd, to specify
Materials	SS316, SS321, SS310, Inconel 600 customer to specify

Outside diameter "D"	Sensors
1.5 mm	3
2 mm	5
3 mm, 3.2mm	6
6 mm , 6.4 mm	12



Ordering code

*This datasheet is purely indicative, build-up of model code may vary from this datasheet.

Model

ML7040				

Number of elements / Calibration

Reinforcement tube / sensor tube O.D. in mm

L1 to Ln, and total length L in mm

Leadwire length "K" in mm

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