

# 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

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

## Sensors

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

## Dimensions

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

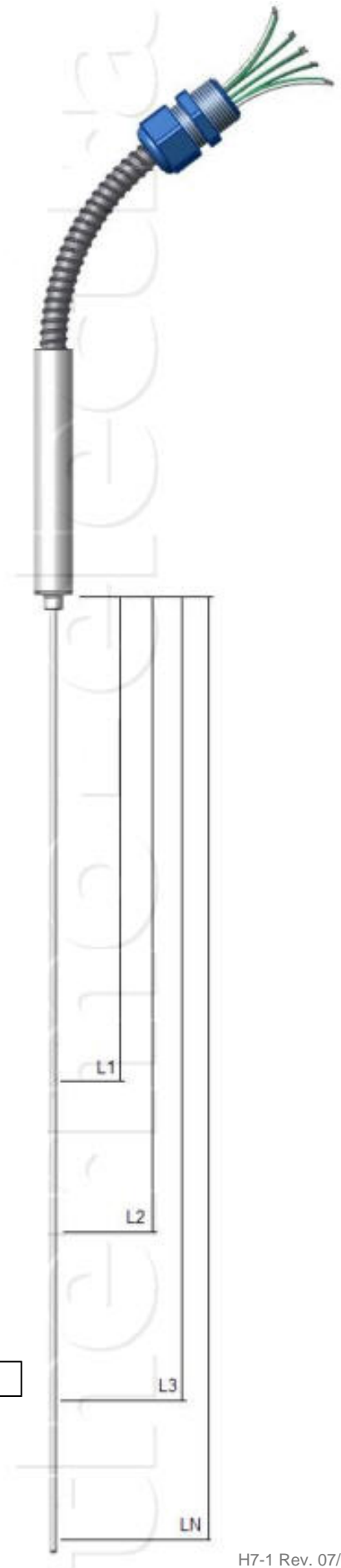
## Options

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

## Ordering code

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

Model	ML7055				
Number of elements / Calibration					
Sensor outer diameter "D" in mm					
L1 to Ln, and total length L in mm					
Leadwire length "K" in mm					



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