

# ML7038E Multipoint temperature sensor bi-metal contact system

## Measuring system

<b>Measuring point</b>	Each sensor mineral insulated
<b>Type</b>	Thermocouple or Pt100 sensors
<b>Construction</b>	Bimetal spring at each measuring point

## Design

<b>Bimetals</b>	Welded to a guiding tube or strip
<b>Temperature</b>	300°C is the upper limit of the bimetals
<b>Thermocouple</b>	3 mm outer diameter each sensor
<b>Type</b>	Mineral insulated ( MI ) cable
<b>Sheath material</b>	Customer to specify
<b>Length L1 to Ln</b>	Customer to specify

## Sensors

<b>Replacement</b>	In case of replacement the bundle must be changed
<b>Thermocouple</b>	K, T, J, E or N
<b>Hot junction</b>	Grounded or ungrounded

<b>Pt100</b>	Vibration proof Superior class Pt100 detectors
<b>Style / Connection</b>	2, 3 or 4-wire system

## Accuracy

<b>Thermocouple</b>	According IEC 584-2 class 1
<b>Pt100</b>	Class A to IEC 751 or 1/10 Din

## Thermowell

<b>Construction</b>	Built-up thermowell with welded end-cap
<b>Dimensions</b>	Depending of process data, to specify
<b>Process connection</b>	Flanged: size, rating, facing and material to specify

## Junction box

<b>Material</b>	Polyester, Stainless steel, or coated aluminium
<b>Cable entry</b>	Threaded or with cable gland
<b>Terminals</b>	Terminals on a standardized DIN rail
<b>Transmitters</b>	Can be integrated, wired and programmed, any brand
<b>ATEX certification</b>	Optional Exe, Exi or Exd, to specify



## Ordering code

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

Model

ML7038E

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