

# ML7038D Multipoint temperature sensor with spring contact system



## Measuring system

Measuring point	Each sensor mineral insulated
Type	Thermocouple or Pt100 sensors
Construction	Leaf spring at each measuring point

## Design

Leaf springs	Welded to a guiding tube or strip
Temperature	250°C is the upper limit of the springs, above they lose the spring function
Thermocouple	3 mm outer diameter each sensor
Type	Mineral insulated ( MI ) cable
Sheath material	Customer to specify
Length L1 to Ln	Customer to specify

## Sensors

Replacement	In case of replacement the bundle must be changed
Thermocouple	K, T, J, E or N
Hot junction	Grounded or ungrounded
Pt100	Vibration proof Superior class Pt100 detectors
Style / Connection	2, 3 or 4-wire system

## Accuracy

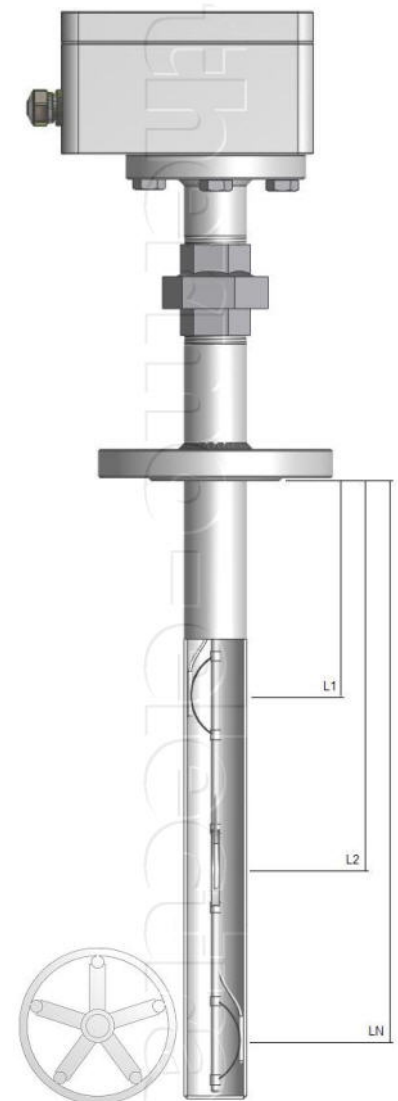
Thermocouple	According IEC 584-2 class 1
Pt100	Class A to IEC 751 or 1/10 Din

## Thermowell

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

## Junction box

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



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**thermo-electra**  
temperature sensor solutions

Thermo Electra B.V.  
Weteringweg 10  
2641KM Pijnacker  
The Netherlands

Phone +31 (0)15 - 3621200  
Fax +31 (0)15 - 3694082  
Email [sales@thermo-electra.com](mailto:sales@thermo-electra.com)  
<http://www.thermo-electra.com>

