

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
Length L1 to Ln	Customer to specify
Replacement	In case of replacement the bundle must be changed

Thermocouple sensor

Thermocouple type	K, T, J, E or N
Hot junction	Grounded or ungrounded
Sensor diameter	1.5, 3.0, 4.5, 4.8 or 6.0mm
Type	Mineral insulated (MI) cable
Sheath material	Customer to specify (SS316, SS321, SS10, Inconel 600 or other materials possible)
Accuracy	According IEC 60584

Pt100 sensor

Pt100 type	Vibration proof Superior class Pt100 detectors
Style / Connection	2, 3 or 4-wire system
Accuracy	Class A or B according to IEC 60751

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 or IECEx certification	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

ML7038D

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