

ML7038E Multipoint temperature sensor bi-metal contact system

Measuring system

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

Design

Bimetals	Welded to a guiding tube or strip
Temperature	300°C is the upper limit of the bimetals
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



Ordering code

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

Model

ML7038E