

# ML7038C Multipoint temperature sensor with positive contact system

## Measuring system

|                        |                                     |
|------------------------|-------------------------------------|
| <b>Measuring point</b> | Each sensor in its own guiding tube |
| <b>Type</b>            | Thermocouple or Pt100 sensors       |
| <b>Construction</b>    | Springloaded, interchangeable       |

## Design

|                             |   |
|-----------------------------|---|
| <b>Heat transfer blocks</b> | Thermowell welded at measuring points   |
| <b>Guiding tubes</b>        | Each sensor has its own 6 mm O.D. guiding tube, welded into a heat transfer block |
| <b>Thermocouple</b>         | 3 mm O.D. Replaceable during operation  |
| <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>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

ML7038C

H7-1 Rev. 07/07