Mineral insulated RTD sensors

Mineral insulated RTD sensor type **PMP**
Pt100; Pt500; Pt1000

**Application:**
The sensor is intended for temperature measurement in technological processes in the metallurgical and chemical industries and in other branches of industry for making measurements of liquids and gases.

<table>
<thead>
<tr>
<th>Type of a sensor</th>
<th>Pt100; Pt500; Pt1000 (NI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Class of accuracy</td>
<td>A or B (<strong>EN 60 875-1:2009</strong>)</td>
</tr>
<tr>
<td>Measuring range</td>
<td>Pt100: -100 – 550°C</td>
</tr>
<tr>
<td>Sensor sheath</td>
<td>T118NM (221) (other to be agreed upon)</td>
</tr>
</tbody>
</table>
| Temperature of connecting cond | -50 – 200°C – silicone cable  
-200 – 250°C – teflon cable  
-50 – 400°C – glass fibre cable |

**Ordering code:**

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- **PMP** (Pt100)
- **PMP5** (Pt500)
- **PMP1** (Pt1000)

**Type of insert:**
- Single ........... 1
- Dual .............. 2

**Length L:** mm

**MI diameter:** Ø 3, 4.5, 6

**Version:** 2-wire for class B  
3-wire for class A,  
(class A 3-wire in double version)

**Class of accuracy:** A or B

**Construction:**
- Free ends ......................... 1
- Male connector and female connector, ........... 2
- Male connector .................. 2A
- Female connector ................. 2B
- Compensating lead .................. 3
- Compensating lead, female connector 
and male connector .................. 4

**Connection:**
- None ........... 0
- Standard ...... 1
- Mini ................ 2
- Lemo ............. 3

**Length of compensating lead Lp:** mm

**Cable operating temperature:**
- Silicone (up to 200°C) ........... 1
- Teflon (up to 250°C) ............ 2
- Glass fibre (up to 400°C) ...... 3

Ordering example:
PMP – 1 – 200 – 3 – 2 – B – 3 – 0 – 1500 – 1 has the following meaning: Mineral insulated RTD Pt100 sensor type  
PMP, single, length L=200 mm, diameter of MI Ø3; 2-wire version, class of accuracy B, Length of a connector 1500 mm in silicone sheath, max. operating temperature 200°C (conductor).

*On Customer's request “Calibration Certificate”*