Principle
The temperature of the gas to be monitored is measured by a K thermocouple, the signal of which is converted into a 4-20 mA current.

Applications
The sensor is designed particularly for measuring the exhaust gas temperatures on diesel and gas engines. Its 4-20 mA output allows to insert it in a current loop for reading the measured value on an indicator (consult us).

Advantages
Thanks to its 4-20 mA output, it allows direct reading of the measured value on an indicator without using an external converter. The reliability of the sensor is proven on the whole CMR-range.
**MD mA-K**

**Characteristics**

- **Connector**
  - IP 65
  - JAEGER, 3-pin, housing 1

- **Output signal:**
  - 4 - 20 mA

- **Range:** 0 - 750 °C

- **Sensitive element:**
  - K type thermocouple (others on request)

- **Accuracy:** class B/UTE C 46-201

- **Insulation:**
  - > 100 Mohms/500 VDC
  - 20°C < T < 30 °C

- **Service temperatures:**
  - Immersed section 800°C
  - Cable 220 °C
  - Connector 85°C (including convertor)

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**Example for placing an order:**

<table>
<thead>
<tr>
<th>MDMA</th>
<th>K</th>
<th>45</th>
<th>M18</th>
<th>90°C</th>
<th>0.6°C</th>
<th>F1A</th>
</tr>
</thead>
<tbody>
<tr>
<td>type</td>
<td>L1</td>
<td>R</td>
<td>L2</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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