**Short Description**

Our module and surface temperature sensors come equipped with a robust weatherproof cable. Thanks to the use of top quality components the sensors achieve very high accuracy and are ideal for use in industrial and field environments (PV module temperature).

If required, the sensors can be ordered with an inspection certificate 3.1 as per DIN EN 10204.

**Technical Data**

<table>
<thead>
<tr>
<th>Types</th>
<th>Tm-Pt1000</th>
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</thead>
<tbody>
<tr>
<td>Sensor Element</td>
<td>Pt1000 Class A as per EN 60751</td>
</tr>
<tr>
<td>Sensor Housing</td>
<td>Self adhesive Aluminium Block, 35 mm x 12 mm x 6 mm</td>
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<tr>
<td>Sensor Cable</td>
<td>Length: 3 m, PUR coated, shielded (LiHC11Y, 2 x 0,25 mm²)</td>
</tr>
<tr>
<td>Weight</td>
<td>appr. 70 g</td>
</tr>
<tr>
<td>Operating Condition</td>
<td>-40 to +90 °C</td>
</tr>
<tr>
<td>Customs Number</td>
<td>90 25 19 20</td>
</tr>
</tbody>
</table>
Safety Instructions
The installation and assembly of electrical equipment must be carried out by electrically qualified persons.
The sensor may not be used with equipment whose direct or indirect purpose is to prevent human death or injury,
or whose operation poses a risk to humans, animals or property.

Electrical Connection
The sensors are designed for safety extra-low voltage (SELV) operation.
For keeping the accuracy of the sensor a 4 wire measurement is strongly recommended.
Due to the selfheating, the wire current affects the accuracy of the measurement. Thus, the same should not exceed 0.1 mA.

Installation Instructions
If mounted outdoors, avoid direct exposure to sunlight and rain to the sensor housing (Aluminium block). If necessary, provide protection from the sun and rain.
The sensor element is mounted by glueing the aluminium block directly to the measurement surface. The surface must be dry, clean and degreased. It is also recommended using an extra fixing with silicon or Sikaflex, particularly for module temperature above 75°C.
Note: The module temperature measurement can be optimised by completely covering the sensor element.
The sensor cable needs a cable grip close to the sensor housing.

Maintenance
The sensors should be checked once a year for damage, contamination and correct fitting.