


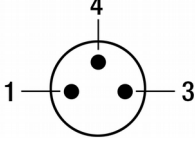


<b>Name</b>	<b>TM4</b>	
<b>Product</b>	<b>Temperature Sensor</b>	
<b>Standard References</b>	IEC 60751 (class C) DIN43760 (KL. A)	
<b>Output</b>	Analog Voltage variation ( $\Delta - 1.5\text{ }^{\circ}\text{C}$ )	
Sensor casing	White plastic anti-shock, with neutral thermal behavior to direct irradiation	
Type of sensor	Silicon Temperature Sensor placed to ensure high heat transmittance.	
Working Temperature	-30 ÷ +100 °C	
Precision	± 1.5 °C	
Accuracy	± 0,3	
Response rate $\Delta T$	<5 seconds in increasing temper, 20 seconds in decreasing temper.	
Adhesive material	Thickness ~ 0.4 mm, suitable for bonding to tedlar and plastic materials with plane surface with medium_low surface tension	
Cable	1,25m with 3 poles, shielded, with external insulation. Resistant to high temperature and UV.	
PT100 dimensions	Diameter: 25 mm – Average thickness: 4,5 mm	
Connector**	M8 a 3 poles IP67	
<p>M8 a 3 poles IP67</p> <div style="display: flex; align-items: center; justify-content: center;">    </div> <p>Pin1: GND Pin4: Vout (temp signal) Pin3: Vs (+5v)</p>		
<p><b>INSTALLATION:</b></p> <ul style="list-style-type: none"> <li>• TM4 must be installed within 1.2 m from Sunmeter Certified, therefore in the photovoltaic module next to it. Choose to place it in correspondence with a NON-peripheral cell of the PV module.</li> <li>• Clean the backsheet of PV module with a detergent. If it is not alcohol-based, pass a cloth to dry the surface.</li> <li>• Remove the cover of tape on the TM4 and apply it by pressing evenly on the sensor, possibly with a dry cloth.</li> <li>• Connect with Sunmeter Certified, if not already connected before. If the its cable will be dangling, apply sticking tape</li> </ul>		