



# Safety Instructions HV THMM 4



Please observe the following safety instructions and the corresponding signs on the measuring device as well as the safety-specific information in the technical documentation.

## General Safety Instructions

	<p><b>WARNING</b></p> <p>HV THMM 4 devices are used in high-voltage applications. Improper use of the device may result in electrical shocks which are dangerous to life.</p> <ul style="list-style-type: none"> <li>▶ Use only qualified and trained personnel.</li> <li>▶ Observe safety instructions.</li> </ul>
	<p><b>WARNING</b></p> <p>The improper opening of the device housing impairs the operational safety of the device and bears the risk of electrical shocks which are dangerous to life.</p> <ul style="list-style-type: none"> <li>▶ Do not open the device housing.</li> <li>▶ Do not carry out any mechanical or electrical modifications on the device.</li> </ul>

- ▶ Use only **qualified and trained personnel** for handling the HV THMM 4 device.
- ▶ Make sure that the HV THMM 4 device is only operated in an ambient temperature range of **-40°C to 100°C** and at a **relative humidity of max. 95%**.
- ▶ Only install thermocouple cables that meet the corresponding requirements for operating the HV THMM 4 device. CSM highly recommends the usage of cables with insulated thermo-couples.
- ▶ To keep up the operational safety of the HV THMM 4 device, an insulation test according to EN 61010-2-030 has to be carried out at least once per year.

## Before Putting into Operation

- ▶ If a ground connection is to be established (car body or earth), use a sufficiently large cross-section to connect the HV THMM 4 device. This is usually done by using an adequate cable (not included in the scope of delivery). In this case the ground cable is to be connected to the housing by using the M6 threaded bore provided for this purpose and proper grounding is to be ensured before putting the device into operation.
- ▶ Before initial operation read the entire documentation that has been delivered with the HV THMM 4 device thoroughly. In the case of questions, please contact CSM.

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