

Ambient Temperature Sensor Tamb-Si for Si-RS485TC-2T-v-MB / Si-RS485TC-3T-MB



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 death or injury, or whose operation poses a risk to humans, animals or property.

Warranty and Liability

The sensor is designed for the measurement of ambient temperature. The warranty is for 1 year from the date of the invoice for the intended use. IMT Technology does not accept any liability for possible losses or damage due to the incorrect usage of the sensor. Liability for consequential damages is excluded.

Mounting Instructions

If mounted outdoors, avoid direct exposure to sunlight and rain to the sensor housing (INOX steel tube). If necessary, provide protection from the sun and rain with the optional Shield-Tamb-Si. The sensor cable needs a cable grip close to the sensor housing.

Electrical Connection

This sensor is designed for connecting to the Si sensor types Si-RS485TC-2T-v-MB and Si-RS485TC-3T-MB. For connecting, remove the protection cap of the 3-pole socket of the Si sensor and connect the Tamb-Si. To lock the cable connector, the threaded ring is tightened until it is 'finger-tight' (approx. 50 Ncm).

Maintenance

Scope of the regularly check (at least once a year): Cleaning, external damage, mechanical fastening, cable laying and any damage to the cable. Should damage be found that degrades the function or safety, the sensor is to be replaced.

Technical Data

Sensor element	Pt1000 class AA as per EN 60751
Operating temperature	-40 to +90°C
Sensor housing	INOX steel tube, 6 mm diameter, 50 mm length
Degree of protection	IP 67 in plugged-in condition
Sensor cable	Length: 3 m, PUR coated, shielded (LiYC11Y, 4 x 0.25 mm ²)
Weight	85 g
Pin assignment	Pin 1: Pt1000 Pin 2: Pt1000 Pin 3: cable shield, isolated to INOX steel tube

Scope of Delivery

- Sensor incl. cable with connector plug
- Instruction sheet